Subject: DM/EC/JA/RB/JW/JR/HH/SW/DM/DW/NL/GL/DP or DA or ML re Flint next steps
Location: Governor's Conference Room - 2nd Floor Romney (call in number below)

Start: Wed 10/14/2015 11:30 AM
End: Wed 10/14/2015 12:00 PM

Recurrence: (none)

Meeting Status: Accepted

Organizer: Agen, Jarrod (GOV)
Required Attendees: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Baird, Richard (GOV); Walsh, John (GOV); Redford, James (GOV); Hollins, Harvey (GOV); Wurfel, Sara (GOV); Murray, David (GOV); Wyant, Dan (DEQ); Lyon, Nick (DHHS); Lasher, Geralyn (DHHS); Posthumus, Dick (GOV); Ackerman, Darin (GOV); Lange, Michelle (GOV); Rospond, Laurie (GOV); Thomet, Ruth (GOV); Thelen, Mary Beth (DEQ); Grijalva, Nancy (DHHS); Hall, Jean (GOV); VanSickle, Michele (GOV); Clayton, Stacie (GOV)
Optional Attendees: Wells, Eden (DHHS)

MDHHS Action Plan Flint EBL.DO...

[redacted] (Jarrod to host)

Michigan Department of Community Health (MDHHS) Flint Water Action Plan

Action	Local Lead	MDHHS Lead	Tasks
Filter/Water Distribution	Tamara Brickley (Genesee County Health Department-GCHD)	Sheryl Thompson, MDHHS	- Coordination of distribution (GCHD) - Identify at-risk sub-groups (GCHD) - Tracking filters- uniform registry held by GCHD - Ordering filter replacements (MDHHS)
Blood Testing	Tony LaRocco (GCHD) Possible partners: - Hurley - Great Flint Health Coalition - MIHP - LHD - Schools	Dr. Eden Wells/ Nancy Peeler (CLPPP)	- Test all o Students 0-16 o Priorities: ▪ 3 schools ▪ 2 zip codes ▪ ages 0-15 - Convene meeting with GCHD and all potential partners (MDHHS) o Partner with schools- information about testing sites options distributed through school districts to parents o Partner with Great Flint Health Coalition-network to develop testing sites and information about testing to healthcare providers o Partner with Hurley/McClaren/Genesys o Partner with MIHP/Home Visiting Program - Confirm that the state lab has capacity to handle increase in tests- CONFRIMED
Case Management Follow Up	Tony LaRocco (GCHD)	Eden Wells/ Nancy Peeler (CLPPP)	- Identification of all current positives- confirmatory testing for > 5 mcg/dl (as of April 2014) - Maintain registry of all tests performed (-/+) - Follow-up all cases >5 mcg/dl with the CLPP Case Management protocol
Elevated Blood Level Investigations(all > 5 mcg/dl)	Dawn Hallwood (GCHD)	Linda Dykema	- Secure financial resources necessary to support environmental health response - Follow-up CLPPP to see if immediate funds available - Recommendation to contract with Lead Investigation company thru SEMHA-

			licensed investigators
Communications	Hilda McShane (GCHD)	Geralyn Lasher	- Daily MDHHS and GCHD phone calls (3PM) - Provide provider education- links sent for Governor's site to GCHD 10/12 - Provide public education - Provide risk education - Provide links with lead prevention information to Flint

Subject: DM/EC/JA/RB/JW/JR/HH/SW/DM/DW/NL/GL/DP or DA or ML re Flint next steps

Location: Governor's Conference Room - 2nd Floor Romney (call in number below)

Start: 10/14/2015 11:30 AM

End: 10/14/2015 12:00 PM

Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Agen, Jarrod (GOV)

Required Attendees: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV) (clemente@michigan.gov); Baird, Richard (GOV); Walsh, John (GOV) (WalshJ@michigan.gov); Redford, James (GOV); Harvey Hollins (hollinsh@michigan.gov); Wurfel, Sara (GOV) (Wurfels@michigan.gov); Murray, David (GOV); Wyant, Dan (DEQ); Lyon, Nick (DCH); Lasher, Geralyn (DHHS); Posthumus, Dick (GOV); Ackerman, Darin (GOV) (ackermand3@michigan.gov); Lange, Michelle (GOV); Rospond, Laurie (GOV) (rospondl@michigan.gov); Thomet, Ruth (GOV); Thelen, Mary Beth (DEQ); Grijalva, Nancy (DHHS); Hall, Jean (GOV); VanSickle, Michele (GOV) (vansicklem2@michigan.gov); Clayton, Stacie (GOV)

Resources: Governor's Conference Room - 2nd Floor Romney (call in number below)

[redacted] (Jarrod to host)

From: Brader, Valerie (GOV)
Sent: Tuesday, September 23, 2014 3:04 PM
To: Ackerman, Darin (GOV)
Subject: RE: Phone Msg: Senator Ananich

Re water theft, yes, it exists.

Re EM crackdown, Is he confusing Detroit with Flint? Probably not, but I hadn't heard re Flint either either.

Here's the big, underlying issue: Flint wanted to spend less money on water so they switched away from DWSD. They then started to get boiling water advisories. They need more money to upgrade facilities, do treatment, etc. to prevent this. That means more money, and their whole point in the first place is that they needed to spend less. That means water rates go up. Then people don't pay, so water rates for everyone go up to offset that non-payment. It ends up being a vicious cycle in which water rates go up, so people can't afford it, so collections go down, so rates go up. In normal communities the cycle has a natural break point because we allow communities to put the equivalent of a tax lien on properties, and it is cheaper for people to pay their bill than lose their house. In Flint, Detroit, and a few other places, a water bill of a few thousand dollars may exceed the value of a house, so it actually worsens the problem instead of stopping a vicious cycle.

From: Ackerman, Darin (GOV)
Sent: Tuesday, September 23, 2014 2:57 PM
To: Brader, Valerie (GOV)
Subject: RE: Phone Msg: Senator Ananich

Bear with my rattle off the top of my head response, as it was a three minute after session floow conversation....I tell you what he shared with me and you can decide if you're the right person to have a conversation with him or not....

Basically he said that he doesn't understand the decision of the Flint EM to amp up their efforts to go after those who are stealing water (I didn't realize such a thing existed). He thinks that the focus should be first and foremost on safe drinking water, as they have had several boil advisories as of late. The senator said that at some point he feels as though he needs to come out and chastise the EM for prioritizing cracking down on water theft versus providing clean drinking water for citizens, thought he is reluctant to do that without an understanding of the thought process behind the decision.

I did not tell him to call Rodney or you – I was going to check with Treasury, but apparently he didn't want to wait for that.

Let me know what you think.

Darin Ackerman, Deputy Director
Legislative Affairs Division
Office of Governor Rick Snyder
State Capitol
Lansing, MI 48913
Phone: [redacted]

From: Brader, Valerie (GOV)
Sent: Tuesday, September 23, 2014 2:47 PM
To: Ackerman, Darin (GOV)
Subject: FW: Phone Msg: Senator Ananich

Uh????

From: West, Samantha (GOV)
Sent: Tuesday, September 23, 2014 2:43 PM
To: Brader, Valerie (GOV)
Subject: Phone Msg: Senator Ananich

Called this afternoon. He was speaking with Rodney who advised that he should talk with you re water issues in the City of Flint. He can be reached at [redacted]

Let me know if you would like a call scheduled or if you want to just call him when you have a moment.

From: Muchmore, Dennis (GOV)
Sent: Friday, September 25, 2015 1:28 PM
To: Posthumus, Dick (GOV); Ackerman, Darin (GOV); Lange, Michelle (GOV)
Subject: Fwd: Flint Talking Points
Attachments: Flint Lead TP 092415.docx; ATT00001.htm

Sent from my iPhone

Begin forwarded message:

> **From:** "Murray, David (GOV)" <MurrayD1@michigan.gov>
> **Date:** September 24, 2015 at 2:21:37 PM EDT
> **To:** "Wurfel, Sara (GOV)" <Wurfels@michigan.gov>, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>, "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>
> **Subject: FW: Flint Talking Points**
>
> ---
>
> **From:** Minicuci, Angela (DCH)
> **Sent:** Thursday, September 24, 2015 2:21 PM
> **To:** Murray, David (GOV) <MurrayD1@michigan.gov>; Wurfel, Brad (DEQ) <WurfelB@michigan.gov>
> **Cc:** Eisner, Jennifer (DCH) <EisnerJ@michigan.gov>
> **Subject:** Flint Talking Points
>
> Hey Brad and Dave,
>
> MDHHS talking points attached.
>
> Thank you,
>
> **Angela Minicuci**
> Office of External Relations and Communications
> Michigan Department of Health and Human Services
> Office: (517) 241-2112
> Mobile: [redacted]
> minicuciа@michigan.gov
> www.michigan.gov/mdhhs
>
> E-mail Confidentiality Notice: This message, including any attachments is intended solely for the use of the named recipient(s) and may contain confidential and/or privileged information. Any unauthorized review, use, disclosure, or distribution of any confidential and/or privileged information contained in this e-mail is expressly prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy any and all copies of the original message.

Blood Lead Levels in Flint Talking Points
September 24, 2015

- The results of the Hurley Children's Hospital are under review by the Michigan Department of Health and Human Services.
- The analysis that Hurley conducted is different from the way MDHHS has analyzed data regarding blood lead levels in Flint.
- MDHHS is looking to see if we can replicate the results of the Hurley study to see how they achieved their results.

Differences in Analysis

- MDHHS data provides a much more robust picture of the entire blood lead levels for the Flint area, and specifically, accounts for data over the full course of the past five years.
- Looking at the past five years as a whole provides a much more accurate look at the seasonal trends of lead in the area.
- Seasonal exposure is higher in the summer for a variety of reasons including children playing outside in the soil, and when windows are open and lead paint is more likely to be in the air. This seasonal increase would be unrelated to the water system.
- Our data includes children from the entire city, including all medical facilities, rather than just Hurley, has a larger age group of children, and includes a much larger sample size.
- The MDHHS analysis looks specifically at the first elevated blood lead level for each child, which provides an accurate picture of when first exposure occurred.
- The Hurley data includes a smaller sample size, much more limited time period (January-September of 2013 and 2015 only), and a smaller age group of children.

WIC Children

- In homes with infants on WIC, if the household has documentation from an official source of unsanitary water supply issues, that family may be eligible to receive ready-to-feed formula. Families should contact WIC to see if they are eligible.
- Each household would have to be looked at on an individual basis.
- WIC cannot cover bottled water.

From: Lange, Michelle (GOV)
Sent: Thursday, October 01, 2015 6:02 PM
To: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Posthumus, Dick (GOV); Agen, Jarrod (GOV); Wurfel, Sara (GOV); Ackerman, Darin (GOV)
Subject: Phelps press release

Just FYI- Rep. Phelps put out this press release today. http://housedems.com/article/statement-state-rep-phil-phelps-d-flushing-his-foia-requests-pertaining-city-flint-water

Sally said that Treasury recevied his request on September 8th, sent him a letter to the address listed on the request on the 15th saying they would need until the 29th to respond and sent a letter of response on 29th to the address listed. I believe she said they were coordinating with DEQ. I don't have a copy of their response, but can get it for you tomorrow, if interested.

Please let me know if you need any other information. Sally has reached out to Rep. Phelps.

Thanks,

M.

From: Wurfel, Sara (GOV)
Sent: Thursday, October 01, 2015 11:42 PM
To: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Hollins, Harvey (GOV); Agen, Jarrod (GOV); Posthumus, Dick (GOV); Walsh, John (GOV); Priest, Chris (GOV); Ackerman, Darin (GOV); Lange, Michelle (GOV); Mcbride, Bill (GOV); Brown, Eric (GOV); Baird, Richard (GOV)
Cc: Wisniewski, Wendy (GOV); Clayton, Stacie (GOV); Murray, David (GOV); Kennedy, Jordan (GOV); Brown, Jessica (GOV); Paciorek, Josh (GOV)
Subject: HIGH PRIORITY: Updated Flint water action plan
Attachments: NR 151002 - Flint water action plan.docx; Infographic - Flint Water Action Plan 10-2-15.pdf; Infographic - Flint water tips 10-2-15.pdf; Flint water - talking points (draft 151001).docx

Importance: High

Hi all –

Attached are several items pulled together to help announce the new comprehensive action plan related to Flint water tomorrow. This build upon past efforts and as aimed to be a real collaborative effort with local, state and federal agencies, along with city and community leaders. These items are:

- News release
- Infographics – one to summarize action plan and one to help highlight the tips for Flint residents
- High level points

The Governor, along with Dan Wyant, Nick Lyon, and Dr. Eden Wells are slated to do an embargoed media conference call with select reporters at 11:15 a.m. tomorrow.

This will be followed by a 1:30 p.m. press conference in Flint led by Directors Wyant and Lyon, moderated by Harvey, and including Dr. Wells and Flint Mayor Dayne Walling. EPA Region 5 Administrator Susan Headman dropped out late today due to some pending litigation. It's possible that Cong. Kildee and/or State Sen. Anaich and State Reps. Neely and Phelps may be participating as well.

There will also be a clearinghouse of Flint water information available at a new web site – www.michigan.gov/FlintWater. It will be live at 1 p.m. tomorrow.

Please review and let us know of any Qs, concerns, last edits, of if anything else is needed at all.

They are going through last review and refinement now. Please do not share materials until we know they are final.

Thanks much,
SW

Sara Wurfel, APR
Press Secretary | Executive Office of Governor Rick Snyder
wurfels@michigan.gov
517-335-6397, office
[redacted]mobile
Twitter:@SaraLW

STATE OF MICHIGAN
EXECUTIVE OFFICE
LANSING

RICK SNYDER
GOVERNOR

BRIAN CALLEY
LT. GOVERNOR

CONTACTS:	FOR IMMEDIATE RELEASE
Sara Wurfel or Dave Murray Governor's Office: 517-335-6397 Brad Wurfel, 517-284-6713 or Karen Tommasulo, 517-284-6714 Department of Environmental Quality Jennifer Eisner, 517-230-9804 Department of Health and Human Services	Friday, Oct. 2, 2015

Gov. Rick Snyder: Comprehensive action plan will help Flint residents address water concerns

Collaborative effort with state, federal and city leaders focuses on testing, assistance

FLINT, Mich. – Flint residents need to have access to safe, clean, water now and long into the future, Gov. Rick Snyder said, announcing a comprehensive action plan created with state, federal and city leaders to address concerns about drinking water.

The water leaving Flint's drinking water system is safe to drink, but some families with lead plumbing in their homes or service connections could experience higher levels of lead in the water that comes out of their faucets.

The action plan focuses on increasing water testing, offering additional precautions for families with lead plumbing in their homes, and providing long-term solutions to address the city's water infrastructure challenges. The plan was created at Snyder's direction by the Michigan Departments of Environmental Quality (DEQ) and Health and Human Services (DHHS), the U.S. Environmental Protection Agency, and the city of Flint.

"We are focused on helping ensure safe, clean, accessible drinking water and addressing and mitigating concerns and protecting public health," Snyder said. "Today's action plan builds upon ongoing work with local, state and federal agencies and our partnership with city and community leaders. Together, we are working to ensure that all Flint residents have accurate information and know that help is available to address potential problems."

The city and the state also are working together to gather more data to ensure the water that leaves the treatment plant as well as the water that arrives in Flint homes is safe for all residents. The plan includes:

- Testing in Flint public schools immediately to ensure that drinking water is safe, with testing also available at no cost to any other school in Flint.
- Offering free water testing to Flint residents to assure their drinking water is safe.
- Providing free water filters to residents with concerns or who are included in state assistance programs.
- Expanding health exposure testing of individual homes.

- Accelerating corrosion controls in the Flint drinking water system.
- Accelerating water system improvements to address replacing lead service lines.
- Expediting the completion of the Karegnondi Water Authority pipeline.
- Expanding a Safe Drinking Water Technical Advisory Committee to ensure the best technology, practices and science are being followed by adding an expert from the Environmental Protection Agency's Office of Research and Development to the group.
- Naming Dr. Eden Wells, chief medical executive for the Michigan Department of Health and Human Services, as the Flint drinking water public health adviser.
- Boosting a comprehensive lead education program to make sure residents have detailed information about how to protect themselves and their homes.

Residents can have their water tested by calling 810-787-6537 and pressing 1, or emailing flintwater@cityofflint.com. The DEQ is covering the cost of this testing.

State leaders have been working closely with state and federal lawmakers to tap resources at all levels of government to address concerns.

State health experts said there has been an increase in elevated childhood blood lead levels in some specific communities. Initial analysis of MDHHS data found that blood lead levels of children in Flint have followed an expected seasonal trend. While this analysis for Flint as a whole remains true, a comprehensive and detailed review breaking down data by ZIP codes with the city revealed that MDHHS data is consistent with a study presented recently by Hurley Children's Hospital.

"While we cannot conclusively say that the water source change is the sole cause of the increase, this analysis supports our efforts as we take active steps to reduce all potential lead exposures in Flint," MDHHS Director Nick Lyon said. "As part of this, we are working closely with our public and private partners to provide Flint residents on MDHHS assistance programs with free water filters and inform families about the steps they can take to reduce all lead exposures in their home."

As a part of the action plan, MDHHS is making National Sanitation Foundation certified water filters available to clients who are active Family Independence Program, Food Assistance Program, Child Development and Care or Social Security Insurance recipients.

"This action plan offers concrete steps we will take in a local, state and federal partnership to ensure all Flint residents have safe water to drink," DEQ Director Dan Wyant said. "The DEQ will work closely with the city to gather further data to ensure the water that leaves Flint's system as well as the water that arrives in Flint homes is safe to drink."

Additional information is available at www.michigan.gov/flintwater.

###

TAKING ACTION ON FLINT WATER

www.mi.gov/FlintWater

- The Action Plan -

- Testing in Flint public schools immediately to ensure that **drinking water is safe**, with testing also available at no cost to any other school in Flint.
- **Offering free water testing** to Flint residents to assure their drinking water is safe.
- **Providing free water filters** to residents with concerns or who are included in state assistance programs.
- **Expanding health exposure testing** of individual homes.
- **Accelerating corrosion controls** in the Flint drinking water system.
- **Accelerating water system improvements** to address replacing lead service lines.
- Expediting the completion of the **Karegnondi Water Authority** pipeline.
- **Expanding a Safe Drinking Water Technical Advisory Committee** to ensure the best technology, practices and science are being followed by adding an expert from the Environmental Protection Agency's Office of Research and Development to the group.
- Naming Dr. Eden Wells, chief medical executive for the Michigan Department of Health and Human Services, as the **Flint drinking water public health adviser**.
- Boosting a **comprehensive lead education program** to make sure residents have detailed information about how to protect themselves and their homes.

To get your water tested for free, please call the city of Flint Water Plant at (810) 787-6537 and then press 1.
You can also email flintwater@cityofflint.com

Visit www.mi.gov/FlintWater for more information

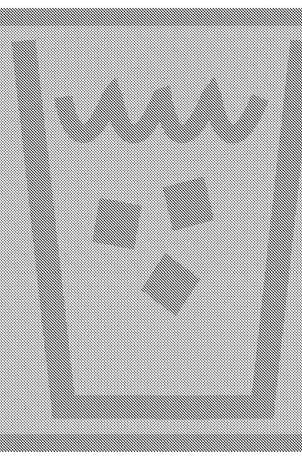
TAKING ACTION ON FLINT WATER

www.mi.gov/FlintWater

- Tips for Flint Residents -

Lead plumbing is common in homes built prior to 1986, and **anyone in the state with lead pipes in their home can take some extra precautions** to minimize lead in their drinking water.

1. Get your water tested at no cost to ensure water is safe. **To get your water tested**, please call the city of Flint Water Plant at (810) 787-6537 and then press 1.

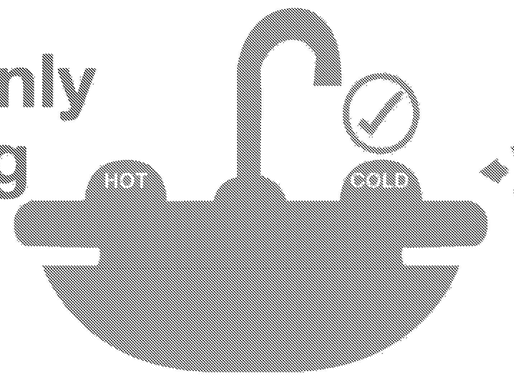


2. To ensure safe drinking water, you can also get a free filter. Please visit **mi.gov/FlintWater** to find where you can get a free filter.

3. It takes time for lead to accumulate in drinking water from plumbing, and so **flushing your pipes prior to using them** can minimize your exposure.

- To flush your pipes, run the water until it's as cold as it will go. This can take as little as 5 to 30 seconds if you have recently flushed the toilet or otherwise used water in your home, or as long as 2 to 5 minutes if you have not used any water in hours.
- In the city of Flint, **running the water for 5 minutes costs between 3 and 16 cents.**

4. Additionally, more lead gets into hot water than cold water. **Use only cold water for drinking, cooking and making baby formula.**



To get your water tested for free, please call the city of Flint Water Plant at (810) 787-6537 and then press 1.
You can also email flintwater@cityofflint.com

Visit **www.mi.gov/FlintWater** for more information

Flint Drinking Water Action Plan
Talking Points

Overall Messaging

- Repeated testing shows the water leaving Flint's drinking water system is safe to drink and meets all federal guidelines, including lead.
- After the switch the Flint River, the compliance testing protocol yielded results of 6 ppb in December 2014 and 11 ppb in June 2015. Both results were below the federal action level of 15 ppb.
- However, we recognize some residents experience higher levels of lead in the water that comes out of their faucets because of lead plumbing in the home, and that's a concern.
- Out of an abundance of caution, we want to address the needs of all Flint families, and so we have developed an action plan that includes both short- and long-term solutions.
- The state plan focuses on increasing water testing, offering additional precautions for families, and providing long-term solutions to address the city's water infrastructure.

Messaging regarding the action plan

The city and the state are working together to gather more data to ensure the water that leaves the treatment plant as well as the water that arrives in Flint homes is safe for all residents.

- **Immediately test Flint public schools to ensure that drinking water is safe. Testing will also be available at no cost to any other school in Flint.**
    - Although Flint's drinking water meets all federal requirements, the state wants to take extra steps to ensure that drinking water is safe for the city's children.
    - The state will fund this testing (about $30,000) at no cost to the city or the local schools, and make the results publicly available.

- **Expand health exposure testing of individual residences.**
    - To double-check its data as well as provide residents with an additional layer of assurance, the DEQ will conduct more tests at Flint properties.
    - The Technical Advisory Committee will determine the scope of this expanded testing.

- **Offer water testing at no cost to Flint residents to assure water is safe.**
    - Although all testing indicates water in the city of Flint meets all federal standards, we understand some residents are concerned.
    - To ensure water in individual homes is safe, free water testing is available to all Flint residents.
    - We encourage anyone with a concern to get their water tested.
    - Contact the city water department to have your water tested.

- **Accelerate optimizing corrosion controls in the Flint drinking water system.**

- A fully optimized corrosion control system can help coat the inside of pipes to minimize the amount of lead that enters the drinking water after it leaves the treatment plant.
- This is a helpful step that can help minimize lead system-wide, and we're pleased the city is moving to take this step.
- If asked: This was not initially required because a fully optimized corrosion control system is not federally required in many water systems. Even today, since Flint is meeting all federal standards, this fully optimized system is not required. However, to address public concerns and ensure every possible precaution is taken, the city is moving forward with installing this corrosion control system.

- **Expand the "Safe Drinking Water Technical Advisory Committee" to ensure the best technology, practices and science are being utilized, and add an expert from the EPA's Office of Research and Development to the group.**
  - The Safe Drinking Water Technical Advisory Committee will meet Oct. 7 to discuss fully optimizing the corrosion control system, expanding testing of at-risk properties, and other topics.
  - Tom Burke, the Deputy Assistant Administrator of EPA's Office of Research and Development as well as the EPA's Science Advisor, will participate on the committee. Prior to joining EPA, he held prominent positions at the Johns Hopkins Bloomberg School of Public Health and founded the Johns Hopkins Risk Sciences and Public Policy Institute. He brings substantial expertise, and we're pleased he is able join the committee.

- **Accelerate water system improvements to address replacement of lead service lines.**
  - Regardless of the drinking water source – whether it be DWSD, the Flint River or Lake Huron – the only permanent fix for lead is to replace all 18,000 of the private lead service lines in the city. These are the lines on private property that lead from the curb to individual homes.
  - This is a problem in communities statewide, and one we want to address with a long-term solution.
  - The state and EPA are working together to find a way for the city to access Drinking Water Revolving Loan funds for the work.

- **Expedite completion of Karegnondi Water Authority.**
  - The move to the Flint River was always a temporary measure until the connection to the KWA and to Lake Huron was completed.
  - This is the ultimate goal of the venture, and the state and locals will work together to speed up completion of the connection.
  -

- **Name Dr. Eden Wells as Flint Drinking Water Public Health Advisor.**
  - Dr. Wells is the Director for the Preventive Medicine Residency at the University of Michigan School of Public Health in Ann Arbor as well as the Chief Medical Executive for MDHHS.

- She brings years of experience in epidemiology and preventative medicine to the issue, and we're thrilled to have her expertise.
- Dr. Wells will coordinate with Hurley Medical Center to share data on blood lead levels in children, as well as address other emerging issues.

- **Provide water filters to residents of Flint.**
  - As an additional precaution, water filters will be available to low-income families.
  - This provides another safeguard to ensure everyone in the city of Flint has access to clean drinking water that they feel confident drinking.

- **Expand a comprehensive lead education initiative.**
  - Lead plumbing is common in homes built prior to 1986, and anyone in the state with lead pipes in their home can take some extra precautions to minimize lead in their drinking water.
  - It takes time for lead to accumulate in drinking water from plumbing, and so flushing your pipes prior to using them can minimize your exposure.
    - To flush your pipes, run the water until it's as cold as it will go. This can take as little as 5 to 30 seconds if you have recently flushed the toilet or otherwise used water in your home, or as long as 2 to 5 minutes if you have not used any water in hours.
    - In the city of Flint, running the water for 5 minutes only costs about 3-16 cents, depending on your faucet.
  - Additionally, more lead gets into hot water than cold water. Use only cold water for drinking, cooking and making baby formula.

From: Lange, Michelle (GOV)
Sent: Friday, October 02, 2015 9:58 AM
To: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Posthumus, Dick (GOV); Agen, Jarrod (GOV); Wurfel, Sara (GOV); Ackerman, Darin (GOV)
Subject: RE: Phelps press release
Attachments: phelpsdnl092915.pdf; phelpsext091515.pdf

Here are the letters from Treasury in case you need them for anything.

Thanks,

M.

From: Lange, Michelle (GOV)
Sent: Thursday, October 1, 2015 6:02 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Posthumus, Dick (GOV) <Posthumusd@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Ackerman, Darin (GOV) <ackermand3@michigan.gov>
Subject: Phelps press release

Just FYI- Rep. Phelps put out this press release today. http://housedems.com/article/statement-state-rep-phil-phelps-d-flushing-his-foia-requests-pertaining-city-flint-water

Sally said that Treasury recevied his request on September 8th, sent him a letter to the address listed on the request on the 15th saying they would need until the 29th to respond and sent a letter of response on 29th to the address listed. I believe she said they were coordinating with DEQ. I don't have a copy of their response, but can get it for you tomorrow, if interested.

Please let me know if you need any other information. Sally has reached out to Rep. Phelps.

Thanks,

M.

89 (Rev. 04-15)

STATE OF MICHIGAN
DEPARTMENT OF TREASURY
LANSING

RICK SNYDER
GOVERNOR

NICK A. KHOURI
STATE TREASURER

September 29, 2015

Mr. Phil Phelps
819 Main Street
Unit A
Flushing, MI 48433

Dear Mr. Phelps:

This notice is issued in response to your request dated September 4, 2015, which you submitted under the Freedom of Information Act (FOIA), MCL 15.231 *et seq*. Your request was received in the Department of Treasury (Department) by electronic mail on September 8, 2015. As set forth in the Department's September 15, 2015 notice, a statutory extension of time to respond was taken through September 29, 2015.

You have requested records which you describe as: 1) All documents the Michigan Department of Treasury, or its agents, has in its possession, including correspondence, related to any waivers, permits or applications to use the Flint River as a source for water and/or drinking water for the City of Flint or any other municipality or municipal entity; 2) All documents the Michigan Department of Treasury, or its agents, has in its possession, including correspondence, related to any communications between the Michigan Department of Environmental Quality, or its agents, and the Michigan Department of Treasury, or its agents, regarding any waivers, permits or applications to use the Flint River as a source for water and/or drinking water for the City of Flint or any other municipality or municipal entity; 3) All documents the Michigan Department of Treasury has in its possession, including correspondence, related to any communications between the Michigan Department of Treasury, or its agents, and the Office of the Governor of the State of Michigan, or its agents, regarding any waivers, permits or applications to use the Flint River as a source for water and/or drinking water for the City of Flint or any other municipality or municipal entity.

To the extent we understand your description, your request is denied. After a thorough search of Department records, to the best of the undersigned's knowledge, information and belief, no such records as you describe, or by any other name reasonably known to the Department, regarding any "waivers, permits or applications to use the Flint River as a source for water and/or drinking water for the City of Flint or any other municipality or municipal entity," exist in the Department of Treasury.

In an effort to be cooperative, you may wish to contact the Department of Environmental Quality as they may have records responsive to your request.

As to the denial of your FOIA request, the Department is obligated to inform you that under section 10 of the FOIA, MCL 15.240 you may do the following:

1. Appeal this decision in writing to the State Treasurer, Michigan Department of Treasury, P.O. Box 30716, Lansing, MI 48909. The writing must specifically state the word "appeal" and must identify the reason or reasons you believe the denial should be reversed. The Department must respond to your appeal within 10 days of its receipt. Under unusual circumstances, the time for response to an appeal may be extended by 10 business days.

2. File an action in the appropriate court within 180 days after the date of the final determination to deny the request. If you prevail in such an action, the court is to award reasonable attorney fees, costs, and disbursements, and possible damages.

Pursuant to section 4 of the FOIA, MCL 15.234, the Department's FOIA procedures, guidelines and written summary can be found on the Department's website at the following link: http://michigan.gov/treasury/0,4679,7-121-72699-357926--,00.html.

Sincerely,

Carla M. Robert

Carla M. Robert
FOIA Coordinator

STATE OF MICHIGAN
DEPARTMENT OF TREASURY
LANSING

RICK SNYDER
GOVERNOR

NICK A. KHOURI
STATE TREASURER

September 15, 2015

Mr. Phil Phelps
819 Main Street
Unit A
Flushing, MI 48433

Dear Mr. Phelps:

This notice is issued in response to your request dated September 4, 2015, which you submitted under the Freedom of Information Act (FOIA), MCL 15.231 *et seq*. Your request was received in the Department of Treasury (Department) by electronic mail on September 8, 2015.

You have requested records which you describe as: 1) All documents the Michigan Department of Treasury, or its agents, has in its possession, including correspondence, related to any waivers, permits or applications to use the Flint River as a source for water and/or drinking water for the City of Flint or any other municipality or municipal entity; 2) All documents the Michigan Department of Treasury, or its agents, has in its possession, including correspondence, related to any communications between the Michigan Department of Environmental Quality, or its agents, and the Michigan Department of Treasury, or its agents, regarding any waivers, permits or applications to use the Flint River as a source for water and/or drinking water for the City of Flint or any other municipality or municipal entity; 3) All documents the Michigan Department of Treasury has in its possession, including correspondence, related to any communications between the Michigan Department of Treasury, or its agents, and the Office of the Governor of the State of Michigan, or its agents, regarding any waivers, permits or applications to use the Flint River as a source for water and/or drinking water for the City of Flint or any other municipality or municipal entity.

In order to search for records in the possession of the Department that may fall within the scope of your request, under section 5(2)(d) of the FOIA, MCL 15.235(2)(d), the Department is extending by ten business days the period to respond. We will issue a written notice no later than September 29, 2015.

Sincerely,

Carla M. Robert

Carla M. Robert
FOIA Coordinator

From: Starr, Scott (DTMB)
Sent: Tuesday, October 13, 2015 1:29 PM
To: Pallone, Maggie (DEQ); Ruest, Karla (DHHS); Hertel, Elizabeth (DHHS); Hanley, Farah (DHHS); Ryan, Howard (Treasury); Waters, Frank (LARA); Pohl, Allan (LARA)
Cc: Lange, Michelle (GOV); Ackerman, Darin (GOV)
Subject: HB 4102 Floor Substitute
Attachments: H01133'15 (H-2).pdf

Hi everyone,

Attached is the House floor sub for HB 4102, the supplemental, which includes the Flint water portion. This bill could move in the House as soon as today, so please let me know if your teams see any problems.

Also, please do not share with the outside, since it's my understanding this has not been introduced or made public yet. Thanks.

HOUSE SUBSTITUTE FOR SENATE SUBSTITUTE FOR

HOUSE BILL NO. 4102

A bill to make, supplement, and adjust appropriations for various state departments and agencies for the fiscal years ending September 30, 2015 and September 30, 2016; to provide for the expenditure of the appropriations; and to repeal acts and parts of acts.

THE PEOPLE OF THE STATE OF MICHIGAN ENACT:

PART 1

LINE-ITEM APPROPRIATIONS

FOR FISCAL YEAR 2014-2015

Sec. 101. There is appropriated for the various state departments and agencies to supplement appropriations for the fiscal year ending September 30, 2015, from the following funds:

APPROPRIATION SUMMARY

GROSS APPROPRIATION	$	7,775,000
Total interdepartmental grants and intradepartmental transfers		0
ADJUSTED GROSS APPROPRIATION	$	7,775,000
Total federal revenues		0
Total local revenues		0
Total private revenues		0
Total other state restricted revenues		1,000,000
State general fund/general purpose	$	6,775,000

Sec. 102. LEGISLATURE

(1) APPROPRIATION SUMMARY

GROSS APPROPRIATION	$	50,000
Interdepartmental grant revenues:		
Total interdepartmental grants and intradepartmental transfers		0
ADJUSTED GROSS APPROPRIATION	$	50,000
Federal revenues:		
Total federal revenues		0
Special revenue funds:		
Total local revenues		0
Total private revenues		0
Total other state restricted revenues		0
State general fund/general purpose	$	50,000

(2) LEGISLATIVE COUNCIL

Criminal justice policy commission	$	50,000
GROSS APPROPRIATION	$	50,000

Appropriated from:		
State general fund/general purpose	$	50,000

Sec. 103. DEPARTMENT OF STATE POLICE

(1) APPROPRIATION SUMMARY

GROSS APPROPRIATION	$	7,725,000
Interdepartmental grant revenues:		
Total interdepartmental grants and intradepartmental transfers		0
ADJUSTED GROSS APPROPRIATION	$	7,725,000
Federal revenues:		
Total federal revenues		0
Special revenue funds:		
Total local revenues		0
Total private revenues		0
Total other state restricted revenues		1,000,000
State general fund/general purpose	$	6,725,000

(2) ONE-TIME APPROPRIATIONS

Legal settlement	$	7,725,000
GROSS APPROPRIATION	$	7,725,000
Appropriated from:		
Special revenue funds:		
Risk management revolving fund		1,000,000
State general fund/general purpose	$	6,725,000

Sec. 104. DEPARTMENT OF TREASURY

(1) APPROPRIATION SUMMARY

GROSS APPROPRIATION	$	0
Interdepartmental grant revenues:		
Total interdepartmental grants and intradepartmental transfers		0
ADJUSTED GROSS APPROPRIATION	$	0
Federal revenues:		
Total federal revenues		0
Special revenue funds:		
Total local revenues		0
Total private revenues		0
Total other state restricted revenues		0
State general fund/general purpose	$	0
(2) ONE-TIME BASIS ONLY APPROPRIATIONS		
MSF, special grants	$	(500,000)
MSF, special grants		500,000
GROSS APPROPRIATION	$	0
Appropriated from:		
State general fund/general purpose	$	0

PART 1A

LINE-ITEM APPROPRIATIONS

FOR FISCAL YEAR 2015-2016

Sec. 151. There is appropriated for the various state departments and agencies to supplement appropriations for the fiscal year ending September 30, 2016, from the following funds:

APPROPRIATION SUMMARY

Full-time equated classified positions 3.0		
GROSS APPROPRIATION	$	9,350,100
Interdepartmental grant revenues:		
Total interdepartmental grants and intradepartmental transfers		0
ADJUSTED GROSS APPROPRIATION	$	9,350,100
Federal revenues:		
Total federal revenues		0
Special revenue funds:		
Total local revenues		0
Total private revenues		0
Total other state restricted revenues		2,200,000
State general fund/general purpose	$	7,150,100

Sec. 152. DEPARTMENT OF ENVIRONMENTAL QUALITY

(1) APPROPRIATION SUMMARY

Full-time equated classified positions 2.0		
GROSS APPROPRIATION	$	7,300,000
Interdepartmental grant revenues:		
Total interdepartmental grants and intradepartmental transfers		0
ADJUSTED GROSS APPROPRIATION	$	7,300,000
Federal revenues:		
Total federal revenues		0
Special revenue funds:		
Total local revenues		0
Total private revenues		0

Total other state restricted revenues			1,000,000
State general fund/general purpose		$	6,300,000
(2) RESOURCE MANAGEMENT DIVISION			
Full-time equated classified positions 2.0			
City of Flint emergency water services		$	6,000,000
Drinking water and environmental health--2.0 FTE positions.....			300,000
GROSS APPROPRIATION		$	6,300,000
Appropriated from:			
Special revenue funds:			
Settlement funds			1,000,000
State general fund/general purpose		$	5,300,000
(3) REMEDIATION AND DEVELOPMENT DIVISION			
Laboratory services		$	1,000,000
GROSS APPROPRIATION		$	1,000,000
Appropriated from:			
State general fund/general purpose		$	1,000,000

Sec. 153. DEPARTMENT OF HEALTH AND HUMAN SERVICES

(1) APPROPRIATION SUMMARY			
Full-time equated classified positions 0.0			
GROSS APPROPRIATION		$	1,850,100
Interdepartmental grant revenues:			
Total interdepartmental grants and intradepartmental transfers.....			0
ADJUSTED GROSS APPROPRIATION		$	1,850,100
Federal revenues:			

Total federal revenues			0
Special revenue funds:			
Total local revenues			0
Total private revenues			0
Total other state restricted revenues			1,000,000
State general fund/general purpose		$	850,100
(2) DEPARTMENTWIDE ADMINISTRATION			
Rent and state office facilities		$	100
GROSS APPROPRIATION		$	100
Appropriated from:			
State general fund/general purpose		$	100
(3) CHILDREN'S SERVICES AGENCY - JUVENILE JUSTICE			
In-home community care		$	(400,000)
In-home community care			400,000
GROSS APPROPRIATION		$	0
Appropriated from:			
State general fund/general purpose		$	0
(4) PUBLIC ASSISTANCE			
Emergency services local office allocations		$	1,000,000
GROSS APPROPRIATION		$	1,000,000
Appropriated from:			
Special revenue funds:			
Total other state restricted revenues			1,000,000
State general fund/general purpose		$	0
(5) FIELD OPERATIONS AND SUPPORT SERVICES			
Full-time equated classified positions	0.0		
Michigan rehabilitation services--(526.0) FTE			

positions	$	(130,927,900)
Michigan rehabilitation services--526.0 FTE positions		130,927,900
GROSS APPROPRIATION	$	0
Appropriated from:		
Federal revenues:		
Social security act, temporary assistance for needy families		0
Capped federal revenues		0
Total other federal revenues		0
Special revenue funds:		
Local vocational rehabilitation match		0
Private funds - gifts, bequests, and donations		0
Rehabilitation service fees		0
Second injury fund		0
State general fund/general purpose	$	0

(6) FAMILY, MATERNAL, AND CHILDREN'S HEALTH SERVICES

Childhood lead program	$	850,000
GROSS APPROPRIATION	$	850,000
Appropriated from:		
State general fund/general purpose	$	850,000

Sec. 154. DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

(1) APPROPRIATION SUMMARY

Full-time equated classified positions 1.0		
GROSS APPROPRIATION	$	200,000

Interdepartmental grant revenues:		
Total interdepartmental grants and intradepartmental transfers		0
ADJUSTED GROSS APPROPRIATION	$	200,000
Federal revenues:		
Total federal revenues		0
Special revenue funds:		
Total local revenues		0
Total private revenues		0
Total other state restricted revenues		200,000
State general fund/general purpose	$	0
(2) OCCUPATIONAL REGULATION		
Full-time equated classified positions 1.0		
Bureau of construction codes--1.0 FTE position	$	200,000
GROSS APPROPRIATION	$	200,000
Appropriated from:		
Special revenue funds:		
Construction code fund		200,000
State general fund/general purpose	$	0

PART 2

PROVISIONS CONCERNING APPROPRIATIONS

FOR FISCAL YEAR 2014-2015

GENERAL SECTIONS

Sec. 201. In accordance with the provisions of section 30 of article IX of the state constitution of 1963, total state spending

from state resources in this appropriation act for the fiscal year ending September 30, 2015 is $7,775,000.00 and state appropriations paid to local units of government are $0.00.

Sec. 202. The appropriations made and expenditures authorized under this act and the departments, commissions, boards, offices, and programs for which appropriations are made under this act are subject to the management and budget act, 1984 PA 431, MCL 18.1101 to 18.1594.

DEPARTMENT OF STATE

Sec. 301. (1) From unexpended and unencumbered funds appropriated in 2010 PA 191 for branch and central operations, $6,000,000.00 is appropriated for a business application modernization project and shall be reappropriated for the fiscal year ending September 30, 2015 in an appropriation line entitled information technology services and projects.

(2) The funds described in subsection (1) shall remain available for expenditure to implement provisions of business application modernization ongoing costs. The unexpended funds reappropriated into the information technology services and projects line item are considered work project appropriations, and any unencumbered or unallotted funds are carried forward into the succeeding fiscal year. The following is in compliance with section 451a(1) of the management and budget act, 1984 PA 431, MCL 18.1451a:

(a) The purpose of the projects is to modernize the technical infrastructure to support the business needs of the department.

(b) The projects will be completed by contract staff and state employees.

(c) The total estimated cost of all projects is $6,000,000.00.

(d) The tentative completion date is September 30, 2019.

Sec. 302. (1) Unexpended and unencumbered amounts of funding remaining in accounts appropriated in section 301 of 2011 PA 83, for implementation of the help America vote act of 2002, 42 USC 15031 to 15545, for the secretary of state, shall be reappropriated for the fiscal year ending September 30, 2015 in an appropriation line item entitled help America vote act.

(2) The funds described in subsection (1) shall remain available for expenditure to implement provisions of the help America vote act of 2002, 42 USC 15031 to 15545, section 37 of the Michigan election law, 1954 PA 116, MCL 168.37, and other election reforms. Consistent with the help America vote act of 2002, 42 USC 15031 to 15545, the unexpended funds reappropriated into the help America vote act line item are considered work project appropriations and any unencumbered or unallotted funds are carried forward into succeeding fiscal years. The following is in compliance with section 451a(1) of the management and budget act, 1984 PA 431, MCL 18.1451a:

(a) The purpose of the projects is to implement provisions of the help America vote act of 2002, 42 USC 15031 to 15545, section 37 of the Michigan election law, 1954 PA 116, MCL 168.37, and other election reforms.

(b) The projects will be completed by state employees, by contracts with private vendors, or by grants to local units of

government.

(c) The total estimated cost of these projects is identified in each line-item appropriation.

(d) The tentative completion date for these projects is September 30, 2019.

STATE TRANSPORTATION DEPARTMENT

Sec. 401. Unexpended and unencumbered amounts of DOT, federal railroad administration (ARRA) funds appropriated in 2011 PA 157 for high-speed intercity passenger rail (ARRA) shall not lapse pursuant to section 451a(1) of the management and budget act, 1984 PA 431, MCL 18.1451a, but instead are reappropriated for expenditure as originally intended and are a work project meeting the following criteria:

(a) The purpose of the project to be carried forward is to preserve and invest in transportation infrastructure of the state of Michigan.

(b) The projects will be accomplished by state employees and by contract.

(c) The total estimated cost of the project is $26,711,800.00.

(d) The tentative completion date is September 30, 2017.

DEPARTMENT OF TREASURY

Sec. 501. (1) From the funds appropriated in part 1 for special grants, the fund shall allocate $500,000.00 for the purpose of funding the cost of GED testing and certification as provided by this section. The workforce development agency shall administer a

Michigan GED-to-school program, which shall cover the cost of providing the GED test free of charge to individuals who meet all of the following requirements:

(a) The individual has not previously been administered a GED test free of charge under this section.

(b) The individual meets at least 1 of the following requirements:

(*i*) Prior to taking the GED test, the individual successfully completed a WDA-approved GED preparation program.

(*ii*) Prior to taking the GED test, the individual completed the official GED practice test and the individual's score indicated that he or she is likely to pass.

(2) A WDA-approved GED preparation program shall include all of the following:

(a) Instructional and tutorial assistance.

(b) GED test practice.

(c) Required attendance at program instructional sessions.

(d) A curriculum that prepares students for opportunities in postsecondary education and the job market.

(e) Information on potential postsecondary and career pathways.

(f) Counseling on preparing for and applying to college.

(g) Personal and job readiness skills development.

(h) Comprehensive information on college costs and financial aid.

(i) College and career assessments.

(j) Computer-based instruction, practice, or remediation.

(3) By January 1, 2016, the workforce development agency shall post online an announcement of the Michigan GED-to-school program, minimum standards for GED preparation program approval, and approval procedures.

(4) By April 1, 2016, the workforce development agency shall do all of the following:

(a) Develop procedures consistent with this section under which individuals can take the GED test without charge.

(b) Provide program information for educators and students on the workforce development agency website, including explanations of the procedures developed under this subsection, and contact information for questions about the program.

(c) Provide an estimate of the full-year cost of the program to the senate and house appropriations subcommittees on general government, the senate and house fiscal agencies, and the state budget director.

(5) By September 30, 2016, the workforce development agency shall report to the senate and house appropriations subcommittees on general government, the senate and house fiscal agencies, and the state budget director on utilization of the GED incentive program, including numbers of GED certifications issued by location, year-to-date expenditures, and numbers of participants qualifying under subsection (1)(b)(*i*) or (*ii*), or both.

(6) The unexpended funds appropriated for the GED-to-school program are designated as a work project appropriation, and any unencumbered or unallotted funds shall not lapse at the end of the fiscal year and shall be available for expenditure for projects

under this section until the projects have been completed. The following is in compliance with section 451a(1) of the management and budget act, 1984 PA 431, MCL 18.1451a:

(a) The purpose of the project is to fund the cost of GED testing and certification for certain individuals as provided by this section.

(b) The projects will be accomplished by utilizing state employees or contracts with private vendors, or both.

(c) The total estimated cost of the project is $500,000.00.

(d) The tentative completion date is September 30, 2019.

PART 2A

PROVISIONS CONCERNING APPROPRIATIONS

FOR FISCAL YEAR 2015-2016

GENERAL SECTIONS

Sec. 1201. In accordance with the provisions of section 30 of article IX of the state constitution of 1963, total state spending from state resources in this appropriation act for the fiscal year ending September 30, 2016 is $9,350,100.00 and state appropriations paid to local units of government are $6,000,000.00.

Sec. 1202. The appropriations made and expenditures authorized under this act and the departments, commissions, boards, offices, and programs for which appropriations are made under this act are subject to the management and budget act, 1984 PA 431, MCL 18.1101 to 18.1594.

DEPARTMENT OF ENVIRONMENTAL QUALITY

Sec. 1251. From the funds appropriated for the city of Flint emergency water services, the department is authorized to pay up to $6,000,000.00 for reconnection services to the Detroit water and sewerage department or its successor. The payments shall only be made once a legally executable agreement has been reached between the parties and a successful reconnection has occurred to the Flint water system. These funds are intended to pay reconnection costs through June 30, 2016.

DEPARTMENT OF HEALTH AND HUMAN SERVICES

Sec. 1301. From the funds appropriated in part 1A for Michigan rehabilitation services, the department shall allocate $6,100,300.00, including federal matching funds, to service authorizations with accredited, community-based rehabilitation organizations for job development and other community employment-related support services.

Sec. 1302. (1) From the funds appropriated in part 1A for in-home community care programs, $400,000.00 shall be used to expand or create new in-home care and community-based juvenile justice services to rural counties through a grant making process. Counties that received funds for the purpose described in section 587 of article X of 2013 PA 59 are not eligible to receive the funds in this section. The department shall have contracts in place for the full amount of funds for the purpose described in this section by January 15 of the current fiscal year.

(2) By June 30 of the current fiscal year, the department

shall submit a report that describes the program expansion and expenditures in detail to the senate and house appropriations subcommittees on the department budget, the senate and house fiscal agencies, and the senate and house policy offices.

REPEALERS

Enacting section 1. Sections 587 and 806 of article X of 2015 PA 84 are repealed.

Enacting section 2. Section 1069 of article VIII of 2014 PA 252 is repealed.

Subject: DM/EC/JA/RB/JW/JR/HH/SW/DM/DW/NL/GL/DP or DA or ML re Flint next steps
Location: Governor's Conference Room - 2nd Floor Romney (call in number below)

Start: Wed 10/14/2015 11:30 AM
End: Wed 10/14/2015 12:00 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Agen, Jarrod (GOV)
Required Attendees: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Baird, Richard (GOV); Walsh, John (GOV); Redford, James (GOV); Hollins, Harvey (GOV); Wurfel, Sara (GOV); Murray, David (GOV); Wyant, Dan (DEQ); Lyon, Nick (DHHS); Lasher, Geralyn (DHHS); Posthumus, Dick (GOV); Ackerman, Darin (GOV); Lange, Michelle (GOV); Rospond, Laurie (GOV); Thomet, Ruth (GOV); Thelen, Mary Beth (DEQ); Grijalva, Nancy (DHHS); Hall, Jean (GOV); VanSickle, Michele (GOV); Clayton, Stacie (GOV)
Optional Attendees: Wells, Eden (DHHS)

MDHHS Action Plan Flint EBL.DO...

[redacted]

[redacted](Jarrod to host)

Michigan Department of Community Health (MDHHS) Flint Water Action Plan

Action	Local Lead	MDHHS Lead	Tasks
Filter/Water Distribution	Tamara Brickley (Genesee County Health Department-GCHD)	Sheryl Thompson, MDHHS	- Coordination of distribution (GCHD) - Identify at-risk sub-groups (GCHD) - Tracking filters- uniform registry held by GCHD - Ordering filter replacements (MDHHS)
Blood Testing	Tony LaRocco (GCHD) Possible partners: - Hurley - Great Flint Health Coalition - MIHP - LHD - Schools	Dr. Eden Wells/ Nancy Peeler (CLPPP)	- Test all o Students 0-16 o Priorities: ▪ 3 schools ▪ 2 zip codes ▪ ages 0-15 - Convene meeting with GCHD and all potential partners (MDHHS) o Partner with schools- information about testing sites options distributed through school districts to parents o Partner with Great Flint Health Coalition-network to develop testing sites and information about testing to healthcare providers o Partner with Hurley/McClaren/Genesys o Partner with MIHP/Home Visiting Program - Confirm that the state lab has capacity to handle increase in tests- CONFRIMED
Case Management Follow Up	Tony LaRocco (GCHD)	Eden Wells/ Nancy Peeler (CLPPP)	- Identification of all current positives- confirmatory testing for > 5 mcg/dl (as of April 2014) - Maintain registry of all tests performed (-/+) - Follow-up all cases >5 mcg/dl with the CLPP Case Management protocol
Elevated Blood Level Investigations(all > 5 mcg/dl)	Dawn Hallwood (GCHD)	Linda Dykema	- Secure financial resources necessary to support environmental health response - Follow-up CLPPP to see if immediate funds available - Recommendation to contract with Lead Investigation company thru SEMHA-

			licensed investigators
Communications	Hilda McShane (GCHD)	Geralyn Lasher	- Daily MDHHS and GCHD phone calls (3PM) - Provide provider education- links sent for Governor's site to GCHD 10/12 - Provide public education - Provide risk education - Provide links with lead prevention information to Flint

From: Wurfel, Sara (GOV)
Sent: Monday, November 09, 2015 3:48 PM
To: Walsh, John (GOV); Posthumus, Dick (GOV); Ackerman, Darin (GOV); Lange, Michelle (GOV); Stoken, Laura (GOV); Redford, James (GOV); Mcbride, Bill (GOV)
Subject: FW: Flint water school testing results - TODAY
Attachments: School results PR.docx

Importance: High

Making sure you guys are in the loop too.

Holler with any Qs or if you need anything else at all.

From: Wurfel, Sara (GOV)
Sent: Monday, November 09, 2015 3:47 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>
Cc: Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>; Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>; Scott, Allison (GOV) <scotta12@michigan.gov>
Subject: FW: Flint water school testing results - TODAY
Importance: High

Please see below and attached release per brief convo at senior staff. Sill no exact word on timing of blood lead level data from DHHS – hopefully by late this week.

DEQ also has video that they'll be using for some footage of the testing with TV stations. Link here: https://youtu.be/Amy4cDW7RtA

Freeman Elementary water testing shows lead exposure limited to fixtures

Experts release water testing results on schools and homes in Flint

As part of Gov. Rick Snyder's action plan for Flint drinking water, the DEQ today released water testing data from nearly 400 homes and businesses in Flint as well as comprehensive sampling results from Freeman Elementary School.

Both sets of data indicate the problems with lead are localized to individual buildings or even individual faucets, rather than system-wide issues.

"The results from this data underline the need for water testing at all homes, businesses, schools and other buildings in Flint," said George Krisztian, the DEQ's Flint Action Plan Coordinator. "Problems with lead exposure appear to be localized to individual service lines or plumbing fixtures, and we want to see all families in Flint take advantage of free water testing from the state."

Freeman Elementary testing results

At Freeman Elementary, 31 faucets were tested using a series of four samples each. Twenty-two outlets did not show elevated lead exposure, but nine faucets came back with initially high results.

Those nine outlets involve brass components, indicating the problem involves the fixtures or plumbing immediately surrounding the fixture. When the faucets and fountains were operated for several minutes, lead levels fell significantly, in some cases to non-detectable levels.

Additional testing designed to look deep into the school's plumbing did not suggest larger, systemic issues.

Freeman Elementary has several options for remedying the issues at these nine faucets and fountains. The school can elect not to use those particular fountains, or implement a formalized flushing regimen. The sampling results indicate that for all but one tap, a 3- to 4-minute flushing period each morning would drastically reduce lead exposure.

For a permanent solution, the school should opt to replace the faucets and fountains of concern.

"The safety and health of our students are our primary concern at Flint Community Schools, so we will start work as soon as possible to replace faucets, aerators and other related components where high lead levels were detected," FCS Superintendent Bilal Tawwab said. "Once those fixes have been made, the DEQ has offered to provide additional testing of the water at Freeman Elementary to ensure the water from every sample is safe for our students. Flint Community Schools appreciates the efforts by the DEQ, working with all stakeholders to make sure our water continues to be tested and that our students have access to safe, clean drinking water."

For Freeman Elementary's complete sampling results and more information about how sampling was conducted, visit www.michigan.gov/flintwater.

The DEQ and the DLARA also have conducted sampling at other Flint schools, and results will soon be available on the DEQ's website. Additionally, the state will test every other school in the Flint Community Schools district, as well as any school or daycare in the city. Interested schools and daycare centers should contact George Krisztian at krisztiang@michigan.gov.

Homeowner and other customer-requested testing results
Results from the 381 samples from homes, businesses, schools and other facilities that took advantage of free water testing through the state showed similar, localized results. More than 75 percent of the samples analyzed demonstrated lead results of 5 parts per billion or less, and more than 91 percent demonstrated lead results of 15 parts per billion or less.

This data suggests that while some homes experience elevated lead level results due to lead service lines or in-home plumbing, many other homes experience little to no lead. This can make it difficult for homeowners and businesses to predict their lead exposure.

"Since it's not easy to predict if an individual home's water is at risk for lead, the best thing all residents can do is get their water tested," Krisztian said. "It's a free test that provides valuable information for families."

Testing is available for free by contacting the Flint Water Plant at 810-787-6537 and pressing 1, or by emailing flintwater@cityofflint.com.

For more information about water samples received through the state's free testing program, visit www.michigan.gov/flintwater.

How school sampling was conducted
To conduct this comprehensive sampling, the DEQ and Michigan Department of Licensing and Regulatory Affairs began on Oct. 23 with a thorough plumbing assessment of the school to gain a comprehensive understanding of how water moves through the building and what types of plumbing materials are used. The

assessment also identified 31 faucets or fountains in the school that provide water for drinking, cooking and/or food preparation.

On Oct. 24, the DEQ and DLARA took four, 125-milliliter samples from each of the 31 identified faucets and fountains. The first two samples were taken immediately after turning on the faucet, followed by a 30-second flush and then the third sample, followed by a 2-minute flush and then the fourth sample. These samples provided information on the impact of any lead sources in or around each specific faucet and fountain as well as its connecting plumbing.

On Oct. 31, the DEQ and DLARA took an additional 30 samples, 10 each from three sites in the school. These 1-liter samples were taken consecutively, and provided information about the impact of any lead sources deep in the building's plumbing.

From: Brown, Jessica (GOV)
Sent: Monday, November 09, 2015 2:44 PM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>
Cc: Agen, Jarrod (GOV) <AgenJ@michigan.gov>
Subject: FW: Flint water school testing results - 3 PM

Saw Dave was on this but since he's on the road, thought you should definitely see as well. DEQ is planning to issue at 3 p.m.

This is the first I've seen a draft but Dave may have been looped in on the back end. Looks ok and pretty thorough to me. If you need help trying to track any background info down let me know. Happy to reach out.

From: Tommasulo, Karen (DEQ)
Sent: Monday, November 09, 2015 2:31 PM
To: Lasher, Geralyn (DHHS) <lasherg@michigan.gov>; Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>; Edgerton, Shelly (LARA) <Edgertons1@michigan.gov>; Dykema, Linda D. (DHHS) <DykemaL@michigan.gov>; Wells, Eden (DHHS) <WellsE3@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>; Brown, Jessica (GOV) <BrownJ53@michigan.gov>; Wurfel, Brad (DEQ) <WurfelB@michigan.gov>; Feuerstein, Heather (DEQ) <FeuersteinH@michigan.gov>
Subject: School testing results

We're planning to put out this press release along with a video and the full results of the school and homeowner testing around 3 today. George Krisztian is taking calls.

Karen Tommasulo
Public Information Officer
Michigan Department of Environmental Quality
517-284-6716 | [redacted]
tommasulok@michigan.gov

Michigan Department of Environmental Quality
News Release

Nov. 9, 2015

For More Information:
George Krisztian, 517-284-6719, krisztiang@michigan.gov

Freeman Elementary water testing shows lead exposure limited to fixtures

Experts release water testing results on schools and homes in Flint

As part of Gov. Rick Snyder's action plan for Flint drinking water, the DEQ today released water testing data from nearly 400 homes and businesses in Flint as well as comprehensive sampling results from Freeman Elementary School.

Both sets of data indicate the problems with lead are localized to individual buildings or even individual faucets, rather than system-wide issues.

"The results from this data underline the need for water testing at all homes, businesses, schools and other buildings in Flint," said George Krisztian, the DEQ's Flint Action Plan Coordinator. "Problems with lead exposure appear to be localized to individual service lines or plumbing fixtures, and we want to see all families in Flint take advantage of free water testing from the state."

Freeman Elementary testing results
At Freeman Elementary, 31 faucets were tested using a series of four samples each. Twenty-two outlets did not show elevated lead exposure, but nine faucets came back with initially high results.

Those nine outlets involve brass components, indicating the problem involves the fixtures or plumbing immediately surrounding the fixture. When the faucets and fountains were operated for several minutes, lead levels fell significantly, in some cases to non-detectable levels.

Additional testing designed to look deep into the school's plumbing did not suggest larger, systemic issues.

Freeman Elementary has several options for remedying the issues at these nine faucets and fountains. The school can elect not to use those particular fountains, or implement a formalized flushing regimen. The sampling results indicate that for all but one tap, a 3- to 4-minute flushing period each morning would drastically reduce lead exposure.

For a permanent solution, the school should opt to replace the faucets and fountains of concern.

"The safety and health of our students are our primary concern at Flint Community Schools, so we will start work as soon as possible to replace faucets, aerators and other related

components where high lead levels were detected," FCS Superintendent Bilal Tawwab said. "Once those fixes have been made, the DEQ has offered to provide additional testing of the water at Freeman Elementary to ensure the water from every sample is safe for our students. Flint Community Schools appreciates the efforts by the DEQ, working with all stakeholders to make sure our water continues to be tested and that our students have access to safe, clean drinking water."

For Freeman Elementary's complete sampling results and more information about how sampling was conducted, visit www.michigan.gov/flintwater.

The DEQ and the DLARA also have conducted sampling at other Flint schools, and results will soon be available on the DEQ's website. Additionally, the state will test every other school in the Flint Community Schools district, as well as any school or daycare in the city. Interested schools and daycare centers should contact George Krisztian at krisztiang@michigan.gov.

Homeowner and other customer-requested testing results
Results from the 381 samples from homes, businesses, schools and other facilities that took advantage of free water testing through the state showed similar, localized results. More than 75 percent of the samples analyzed demonstrated lead results of 5 parts per billion or less, and more than 91 percent demonstrated lead results of 15 parts per billion or less.

This data suggests that while some homes experience elevated lead level results due to lead service lines or in-home plumbing, many other homes experience little to no lead. This can make it difficult for homeowners and businesses to predict their lead exposure.

"Since it's not easy to predict if an individual home's water is at risk for lead, the best thing all residents can do is get their water tested," Krisztian said. "It's a free test that provides valuable information for families."

Testing is available for free by contacting the Flint Water Plant at 810-787-6537 and pressing 1, or by emailing flintwater@cityofflint.com.

For more information about water samples received through the state's free testing program, visit www.michigan.gov/flintwater.

How school sampling was conducted
To conduct this comprehensive sampling, the DEQ and Michigan Department of Licensing and Regulatory Affairs began on Oct. 23 with a thorough plumbing assessment of the school to gain a comprehensive understanding of how water moves through the building and what types of plumbing materials are used. The assessment also identified 31 faucets or fountains in the school that provide water for drinking, cooking and/or food preparation.

On Oct. 24, the DEQ and DLARA took four, 125-milliliter samples from each of the 31 identified faucets and fountains. The first two samples were taken immediately after turning on the faucet, followed by a 30-second flush and then the third sample, followed by a 2-minute flush and then the fourth sample. These samples provided information on the impact of any lead sources in or around each specific faucet and fountain as well as its connecting plumbing.

On Oct. 31, the DEQ and DLARA took an additional 30 samples, 10 each from three sites in the school. These 1-liter samples were taken consecutively, and provided information about the impact of any lead sources deep in the building's plumbing.

From: Baird, Richard (GOV)
Sent: Tuesday, December 29, 2015 5:31 PM
To: Agen, Jarrod (GOV); Posthumus, Dick (GOV); Ackerman, Darin (GOV)
Cc: Clement, Elizabeth (GOV)
Subject: RE: Attached Letter from Flint Water Advisory Task Force

It may already be out there. Sikkema said they were considering putting it out in light of G's statement today.

From: Agen, Jarrod (GOV)
Sent: Tuesday, December 29, 2015 5:23 PM
To: Posthumus, Dick (GOV); Ackerman, Darin (GOV)
Cc: Baird, Richard (GOV); Clement, Elizabeth (GOV)
Subject: FW: Attached Letter from Flint Water Advisory Task Force

Dick & Darin,

Here's the letter from our Flint Water Task Force.

It was received today and they plan to make it public tomorrow.

If you feel it will help to share with SML, feel free to do so.

Adding Rich & Beth in case they feel otherwise.

Thanks

Subject: Weekly Flint Meetings
Location: Conference Call - Info Below

Start: Wed 12/18/2013 9:00 AM
End: Wed 12/18/2013 10:00 AM
Show Time As: Tentative

Recurrence: Weekly

Meeting Status: Tentatively accepted

Organizer: Koryzno, Edward (Treasury)
Required Attendees: West, Samantha (GOV); Clement, Elizabeth (GOV); Klotz, Josephine (MSP); Maxine Murray (mmurray@cityofflint.com); Workman, Wayne (TREASURY); Koryzno, Edward (Treasury); Byrne, Randall (Treasury); 'gambrose@cityofflint.com'; O'Neill, Stephen (MSP); Kapp, Gene (MSP); Deasy, Thomas (MSP); Etue, Kriste (MSP); Sands, Thomas (MSP); Pekrul, Daniel (MSP); Lee, Nichole (MSP); Sipes, Stephen (MSP); 'Elizabeth Murphy'; 'James Tolbert'; Darnell Early (dearly@cityofflint.com); Muchmore, Dennis (GOV); John Roberts (robertsj9@michigan.gov); Richard Baird; Larkin, Brian (GOV); Hollins, Harvey (GOV); Saxton, Thomas (Treasury)

Ed Koryzno to Host

Call in – [redacted]

Access Code – [redacted]

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Tuesday, December 17, 2013 9:31 AM
To: Baird, Richard (GOV); BymeR1@michigan.gov; Deasy, Thomas (MSP); Etue, Kriste (MSP); Kapp, Gene (MSP); Lee, Nichole (MSP); Muchmore, Dennis (GOV); Roberts, John (GOV); Sands, Thomas (MSP); Sipes, Stephen (MSP); West, Samantha (GOV); Dempkowski, Angela (Treasury); Larkin, Brian (GOV); Darnell Earley; Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Hollins, Harvey (GOV); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY)
Subject: Weekly Conference Call Agenda - December 18, 2013
Attachments: Weekly Phone Conference Agenda Dec..doc

Good morning,

Attached is the agenda for the Wednesday, December 18, 9:00 am conference call.

Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Darnell Earley, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

City of Flint Weekly 9:00 am Phone Conference Agenda

[redacted]

6) KWA, Water Plant Preparation, Water/Sewer Rate Study

[redacted]

Created on 12/4/2013

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Tuesday, January 07, 2014 2:11 PM
To: Baird, Richard (GOV); BymeR1@michigan.gov; Deasy, Thomas (MSP); Etue, Kriste (MSP); Kapp, Gene (MSP); Lee, Nichole (MSP); Muchmore, Dennis (GOV); Roberts, John (GOV); Sands, Thomas (MSP); Sipes, Stephen (MSP); West, Samantha (GOV); Dempkowski, Angela (Treasury); Larkin, Brian (GOV); Darnell Earley; Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Hollins, Harvey (GOV); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY)
Subject: Weekly Conference Call Agenda
Attachments: Weekly Phone Conference Agenda - January 8, 2014.doc

Good afternoon,

Attached is the agenda for the Wednesday, January 8, 9:00 am conference call.

Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Darnell Earley, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

City of Flint Weekly 9:00 am Phone Conference Agenda

8) KWA, Water Plant Preparation, Water/Sewer Rate Study

Created on 01/7/14

Subject: RDS/DM/JA/EC/RB/DMurray/HH/DWyant/NLyon/MAnderson - Flint After Action Call
Location: By Phone

Start: Tue 11/24/2015 4:30 PM
End: Tue 11/24/2015 5:00 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: GovCalendar
Required Attendees: Baird, Richard (GOV); Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Agen, Jarrod (GOV); Wisniewski, Wendy (GOV); Hollins, Harvey (GOV); Clayton, Stacie (GOV); Wyant, Dan (DEQ); Thelen, Mary Beth (DEQ); Lyon, Nick (DHHS); Scott, Allison (GOV); Murray, David (GOV); Anderson, Madhu (DEQ)

Call In:
[redacted]
Host: [redacted]

Purpose: Per RB

Participants:
Matt Davis, Professor of Pediatrics & Internal Medicine U of M
Chris Kolb, President – Michigan Environmental Council
Ken Sikkema, Senior Policy Fellow – Public Sector Consultants
Eric Rothstein, Principal – Galardi & Rothstein Group
Larry Reynolds, Pediatrician Mott Children's Health Center

From: Microsoft Outlook
To: wisnewskiw@michigan.gov
Sent: Thursday, October 01, 2015 2:26 PM
Subject: Undeliverable: Fwd: City of Flint - correspondence regarding reconnection to Water Supply System

Delivery has failed to these recipients or groups:
wisnewskiw@michigan.gov (wisnewskiw@michigan.gov)
The e-mail address you entered couldn't be found. Please check the recipient's e-mail address and try to resend the message. If the problem continues, please contact your helpdesk.

Diagnostic information for administrators:
Generating server: HCS084EXHAPI001.som.ad.state.mi.us
wisnewskiw@michigan.gov
#550 5.1.1 RESOLVER.ADR.RecipNotFound; not found ##
Original message headers:
Received: from GOV000EXCHPE005.som.ad.state.mi.us
([fe80::ad2d:32b6:d4a5:f463]) by HCS084EXHAPI001.som.ad.state.mi.us
([fe80::e8a8:3e6d:1fc3:d6c1%19]) with mapi id 14.03.0235.001; Thu, 1 Oct 2015
14:26:28 -0400
Content-Type: application/ms-tnef; name="winmail.dat"
Content-Transfer-Encoding: binary
From: "Baird, Richard (GOV)" <bairdr@michigan.gov>
To: "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>,
"wisnewskiw@michigan.gov" <wisnewskiw@michigan.gov>
Subject: Fwd: City of Flint - correspondence regarding reconnection to Water
Supply System
Thread-Topic: City of Flint - correspondence regarding reconnection to Water
Supply System
Thread-Index: AQHQ+8wjcv3/Sn2g9023hFdTB/LLPp5VpF4LgAFRaNE=
Date: Thu, 1 Oct 2015 14:26:28 -0400
Message-ID: <241A1CEC9C1D244C87C180A49CBED3A3293D1AF2@GOV000EXCHPE005.som.ad.state.mi.us>
References: <26030540.89837.1443650648679.JavaMail.root@csf-mail-zimbra.dwsd.org>,<425152679.89848.1443650724998.JavaMail.root@csf-mail-zimbra.dwsd.org>,<592B18C3-ACDD-4EB4-A6AF-2072A3E5E468@oakgov.com>
In-Reply-To: <592B18C3-ACDD-4EB4-A6AF-2072A3E5E468@oakgov.com>
Accept-Language: en-US
Content-Language: en-US
X-MS-Has-Attach: yes
X-MS-TNEF-Correlator: <241A1CEC9C1D244C87C180A49CBED3A3293D1AF2@GOV000EXCHPE005.som.ad.state.mi.us>
MIME-Version: 1.0

From: Baird, Richard (GOV)
Sent: Thursday, October 01, 2015 2:26 PM
Subject: Fwd: City of Flint - correspondence regarding reconnection to Water Supply System
Attachments: City of Flint - September 2015 Letter - Reconnection to DWSD.pdf; ATT00001.htm

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Daddow, Robert J" <daddowr@oakgov.com>
Date: Sep 30, 2015 6:19 PM
Subject: Fwd: City of Flint - correspondence regarding reconnection to Water Supply System
To: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Cc:

FYI. Received after we talked this pm.

Sent from my iPad

Begin forwarded message:

> **From:** William Wolfson <wolfson@dwsd.org>
> **Date:** September 30, 2015 at 6:05:24 PM EDT
> **To:** "McKinnon, Ike" <mckinnonI@detroitmi.gov>, "Brown, Gary" <BrownGary@detroitmi.gov>, "Nardone, Joseph" <[redacted]>, "Hood, Ed" <[redacted], "baker, brian" <bbaker@sterling-heights.net>, "Daddow, Robert" <daddowr@oakgov.com>
> **Cc:** Sue McCormick <mccormick@dwsd.org>
> **Subject: City of Flint - correspondence regarding reconnection to Water Supply System**
>
> Attached is a letter that was sent to the City of Flint today regarding possible reconnection to the Water Supply System in response to an initial inquiry by Ms. Henderson, Flint's City Administrator and Ms. McCormick. As you may imagine the dialog that has begun is at a very preliminary stage, available information may be limited and outdated to some degree, and Ms. Henderson has asked that we not make a public release at this time. With that request in mind, we have asked the communications team to refer all press call to either Ms. McCormick or me. We will keep you updated as this issue develops.

This email and any files transmitted with it are confidential, may be subject to the attorney-client, attorney-work product or other privilege and are intended solely for the use of the addressee(s). If you are not the named addressee, printing, disclosing, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited; immediately notify the sender, by email reply, if you received this message by mistake, delete the message from your system and destroy any copies.
William M. Wolfson
Chief Administrative and Compliance Officer/

General Counsel
Detroit Water and Sewerage Department
735 Randolph, Room 701
Detroit, MI 48226
Phone: [redacted]
Fax: (313) 842-6510

Michael E. Duggan, Mayor

CITY OF DETROIT
WATER AND SEWERAGE DEPARTMENT
OFFICE OF THE DIRECTOR

735 RANDOLPH STREET
DETROIT, MICHIGAN 48226-2830
WWW.DETROITMI.GOV

September 30, 2015

Via email: nhenderson@cityofflint.com
and U.S. Mail

Ms. Natasha L. Henderson, City Administrator
City of Flint
1101 S. Saginaw St.
Flint, Michigan 48502

Dear Ms. Henderson:

Thank you for your inquiry regarding the possibility of reconnecting the City of Flint to the Detroit Water and Sewerage Department's (DWSD) Water Supply system. Director McCormick has asked me to respond to you and provide a brief outline of the basis for that reconnection. However, I want to again emphasize what Ms. McCormick has previously stated to your City Council on this issue: DWSD is willing to sit down and talk with the City of Flint without pre-condition, if that is mutually desirable.

I would be remiss if I did not point out that on June 12, 2015, the City of Detroit and the Great Lakes Water Authority (GLWA) executed a Lease Agreement that provides for the GLWA's operation of the Regional Water Supply System. At present, we are transitioning management of the system from DWSD to the GLWA while certain Conditions Precedent of the Lease Agreement are satisfied. We have made substantial progress towards satisfying these Conditions Precedent with a goal of having GLWA commence full system operations on or before January 1, 2016. I can assure you that, like DWSD, the GLWA is concerned with the challenges Flint's residents have faced in recent months, and will be willing to discuss service to your City.

That said, here is a likely list of issues that would need to be addressed:

1) Rates: In Sue McCormick's January 12, 2015 letter to Flint, she indicated that the rates Flint would pay for the remainder of the then current 2014-2015 Fiscal Year (FY) would be "the same rates Flint was paying as a terminated customer when it left the system but modified to include the 4% increase experienced by all other DWSD wholesale customers in 2014." As we are now in the 2015-16 FY, that offer must be modified to include an additional adjustment similar to that which was received by other customers. In this regard we propose that the rates be adjusted as follows:

a) Starting with the 2013-2014 FY terminated rate; and

b) Adding a 4% adjustment to that rate to account for the 2014-2015 FY increases; and

c) Adding an adjustment equal to the average Suburban Wholesale Charge Adjustment for the current 2015-2016 FY. This rate would remain in place until June 30, 2016, the end of the current 2015-2016 FY.

d) Based upon the above considerations, the resulting rate structure is a fixed monthly rate of $662,100 and a commodity rate of $8.93/Mcf for the current 2015-2016 FY. Please note that this rate structure is designed to be applicable to incremental water sales over and above water sales to the Genesee County Drain Commission. Depending on how water is provided to the combined GCDC/Flint customer, alternative rate structures may be appropriate.

e) Additionally, DWSD recently changed its wholesale customer billing methodology as follows: Flint's calculated share of the FY 2016 Budget is allocated 60% to the Fixed Monthly Charge and 40% to the Commodity Charge, which is consistent with the adopted FY 2015-2016 water wholesale rates

f) In extending this proposal, our assumption is that the service provided is to Flint only and computations are based on data from our previous customer relationship.

g) It is anticipated that under the management of the GLWA, the rates for the 2016-2017 FY will be computed using the same methodology as applied to all other Water Supply System customers.

The proposed rate methodology is intended to ensure that Flint is treated fairly by using the average wholesale customer adjustment in the current Fiscal Year, and the same methodology as all other customers.

2) Term: DWSD understands that Flint's current long-term desire is to receive water service from the KWA. Under these circumstances, Flint would be expected to remain a DWSD customer from the time of reconnection until the time it begins to receive service from KWA. If Flint wishes to consider a longer term relationship with DWSD or GLWA, we would welcome that discussion.

3) Reconnection: As previously indicated by Ms. McCormick in her January 12, 2015, letter, DWSD will not charge an additional fee for Flint to reconnect to the DWSD Water System, and is prepared to immediately take those steps necessary on its end to facilitate a reconnection. Any expenses incurred would be billed at actual cost. Because DWSD lacks sufficient information on the status of the disconnection, we are unable to provide an estimate of those costs at this time. Nonetheless, we will work with you in good faith to develop an expedited plan for reconnection, and to develop a mutually agreed good faith estimate of the costs associated with that plan.

Thank you for raising this issue with us. We hope that this letter addresses the concerns you raised during your recent conversation with Ms. McCormick, and we sincerely appreciate your interest and the opportunity to serve Flint.

Finally, we look forward to the opportunity to meet with you at your earliest convenience to discuss this letter, and how we may best assist Flint in serving its residents' needs. Please contact Ms. McCormick's office at (313) 224-4701 to arrange this meeting.

Best Regards,

William M. Wolfson
Chief Administrative and Compliance Officer/General Counsel, DWSD
Interim General Counsel, GLWA

From: VanSickle, Michele (GOV)
Sent: Wednesday, October 21, 2015 4:52 PM
To: Baird, Richard (GOV)
Subject: Task Force Contact list attached
Attachments: Flint Water Task Force Members.docx

Rich, there are gaps in the information so please take a look and let me know if it is ok to send.
FYI Beth Clement does not want to be included since Jarrod and Dennis are both on there.

Michele VanSickle
Executive Assistant for Richard Baird and Mike Finney
Executive Office of Governor Rick Snyder
(517) 241-5621
vansicklem2@michigan.gov

Flint Water Task Force Members

Name	Title	Work Phone	Cell Phone	Email	Assistant	Phone	Email
Rick Snyder	Governor				Allison Scott		
Jarrod Agen	Director of Communications				Wendy Wisniewski		
Matt Davis	Professor of Pediatrics & Internal Medicine U of M						
Dave Murray	Deputy Press Secretary				Jordan Kennedy		
Dan Wyant	Director DEQ				Mary Beth Thelen		
Madhu Anderson	Deputy Director DEQ				Leigh Copen		
Chris Kolb	President – Michigan Environmental Council						
Ken Sikkema	Senior Policy Fellow – Public Sector Consultants						
Eric Rothstein	Principal – Galardi & Rothstein Group						
Nick Lyon	Director DHHS				Nancy Grijalva		

Rich Baird	Senior Advisor				Michele VanSickle		
Beth Clement	Deputy Chief of Staff				Wendy Wisniewski		
Dennis Muchmore	Chief of Staff				Wendy Wisniewski		
Larry Reynolds	Pediatrician Mott Children's Health Center				Deborah Higgins		
Harvey Hollins	Director Urban Initiatives				Stacie Clayton		

From: Anderson, Madhu (DEQ)
Sent: Thursday, October 22, 2015 5:07 PM
To: Davis, Matthew (Matt); [redacted] Ken Sikkema; Chris Kolb; [redacted]
Cc: VanSickle, Michele (GOV); Baird, Richard (GOV)
Subject: RE: Task Force - Email 7: Documents related to KWA
Attachments: City of Flint Meeting Minutes 25Mar2013.pdf; 29Mar2013 Adopted Flint Mayor Resolution and news articles.pdf; 25Mar2013 Amended Resolution - EM -KWA.pdf

All – this last email contains information on the decisions regarding the KWA by Flint.

Madhu R. Anderson
Deputy Director, Economic & Strategic Initiatives
☎ 517 284 6702 | [redacted]
✉ andersonm30@michigan.gov
DEQ

City of Flint, Michigan

Third Floor, City Hall
1101 S. Saginaw Street
Flint, Michigan 48502
www.cityofflint.com

Meeting Minutes - Draft

Monday, March 25, 2013

5:33 PM

Agenda amended to include Board of Hospital Managers appointments

Council Chambers

CITY COUNCIL

Scott Kincaid, President, Ward 9
Bryant W. Nolden, Vice President, Ward 3

Claudia Croom, Ward 1
Jacqueline Poplar, Ward 2
Joshua M. Freeman, Ward 4
Bernard Lawler, Ward 5
Sheldon A. Neeley, Ward 6
Dale K. Weighill, Ward 7
Michael J. Sarginson, Ward 8

Inez M. Brown, City Clerk

CALL TO ORDER

President Scott Kincaid called the meeting to order at 5:33 p.m.

ROLL CALL

Councilperson Michael Sarginson arrived at 5:37 p.m.

Present: Councilperson: Councilperson Poplar, Vice President Nolden, Councilperson Freeman, Councilperson Lawler, Councilperson Neeley, Councilperson Sarginson, Kincaid, Councilperson Weighill and Councilperson Croom

PLEDGE OF ALLEGIANCE

Councilperson Sheldon Neeley led the Pledge of Allegiance.

SPECIAL ORDER

130217 Special Order/Information & Discussion/Karegnondi Water Authority (KWA)

A Special Order as requested by Council President Scott Kincaid to continue discussion and review of information on the Karegnondi Water Authority (KWA).

Presented

PETITIONS AND UNOFFICIAL COMMUNICATIONS

130193 Change to Digital/All Limited Basic Service Channels/Comcast Cablevision

Communication dated March 6, 2013, from Gerald W. Smith, Government Affairs Manager, Comcast, to Flint City Clerk, re: On or shortly after April 9, 2013, Comcast will convert all Limited Basic service channels -- including Public, Government and Educational Access (PEG) channels to digital format, and will provide customers with digital equipment.

This matter was Placed on File. The motion carried.

130199 Certified Letter/Loyst Fletcher, Jr. & Associates

Communication received from Loyst Fletcher, Jr. to Chief Legal Officer, re: He questions the tax-exempt status of Word of Life Christian Church, which received a tax bill from the city.

This matter was Placed on File. The motion carried.

130200 Local Approval Notice/Michigan Liquor Control Commission (MLCC)/Time Square/Ward 3

Local Approval Notice dated March 14, 2013, from MLCC to Flint City Clerk, re: The MLCC has received a request to transfer all stock in 2012 Class C license with Sunday Sales Permit (PM) and Dance Permit, located at 4522 N. Saginaw,

Flint, Michigan, 48505, Genesee County, held by the estate of Myra Seals, Inc., 1028 Cora Dr., Flint, MI 48532, to Carisa Mays Bishop, Personal Representative. [NOTE: Approval order enclosed.]

This matter was Placed on File. The motion carried.

130202 Local Approval Notice/Michigan Liquor Control Commission (MLCC)/D & R Market, Inc./Ward 6

Local Approval Notice dated March 6, 2013, and received March 15, 2013, from MLCC to Flint City Clerk, re: The MLCC has received an application from 2 AAR, LLC, requesting to Transfer Ownership of a Specially Designated Distributor (SDD) and Specially Designated Merchant (SDM) licensed business with Sunday Sales permit (PM) and Direct Connection-I to D & R Market, Inc., located at 1402-1404 N. Chevrolet, Flint, Michigan, 48504, Genesee County, from 2 AAR, LLC, 3079 Shattuck Arms Blvd., Apt. 5, Saginaw, MI 48603. [NOTE: The application was cancelled pursuant to a request from an attorney.]

This matter was Placed on File. The motion carried.

130204 Changes/Cable Channel Lineup/Comcast Cablevision

Communication dated March 18, 2013, from Gerald W. Smith, Government Affairs Manager, Comcast, to Flint City Clerk, re: effective on or about May 22, 2013, Fox Business Network/Fox Business Network HD (ch. 06/243) will from the Digital Preferred Service to the Digital Starter Service.

This matter was Placed on File. The motion carried.

130205 Media Alert/Flint Public Art Project/Announcement of Design Winner

Media Alert received via e-mail on March 19, 2013, from the American Institute of Architects (AIA), re: The Flint Public Art Project and the Flint Chapter of the AIA will announce the winner of the $25,000.00 grand prize in the inaugural Flat Lot competition to design and build a temporary summer pavilion on Flint's central downtown parking lot at 9:30 a.m. Thursday, March 21, 2013, at the John Gazall & Associates, Mott Building, 503 S. Saginaw Street, Flint.

This matter was Placed on File. The motion carried.

130207 Damage Claims

MAYFIELD, LINDA, 2518 Walter Street, Flint, MI (WARD 2)
LANE, WILLIE C., 3130 Concord Street, Flint, MI (WARD 6)

This matter was Placed on File. The motion carried.

COMMUNICATIONS FROM CITY OFFICIALS

130194 Press Release/City of Flint/Hiring of New Police Officers/Recruitment of Others

Press Release dated March 11, 2013, from Jason Lorenz, City of Flint Public

Information Officer, re: The City of Flint has seven new police officers on the job from the public safety millage passed last November by voters. The city's next step is to hold a recruitment drive by working with a local college, which will set up a Police Academy when the city has gathered sufficient interest from its efforts.

This matter was Placed on File. The motion carried.

130195 Press Release/City of Flint/Sunday Sales of Alcohol Before Noon Not Permitted on St. Patrick's Day

Press Release dated March 12, 2013, from Jason Lorenz, City of Flint Public Information Officer, re: The City of Flint will not be able to permit Sunday alcohol sales before noon this Sunday, March 17, St. Patrick's Day. While the city adopted a resolution to allow a one-time exception to the Sunday morning alcohol ban, the Michigan Liquor Control Commission has taken the position that the city cannot create a one-day exemption.

This matter was Placed on File. The motion carried.

130196 Flint City Council/Public Notice/Special City Council Meeting/March 18, 2013

Public Notice posted March 14, 2013, re: The Flint City Council will hold a Special City Council Meeting, followed by a Finance Committee Meeting, at 5:30 p.m. Monday, March 18, 2013, in the City Council Chambers, 3rd Floor, City Hall, to consider a contract with the Karegnondi Water Authority (KWA).

This matter was Placed on File. The motion carried.

130201 Emergency Financial Manager (EFM) Order #10/Grant Applications

Order #10 issued by Emergency Financial Manager on March 15, 2013, "Grant Applications," re: "all city officials, department heads, division heads and employees shall adhere to ...requirements regarding the approval of any and all grant applications on behalf of the City of Flint or grant applications submitted by others which in any way involves the financial, programmatic or personnel support by the City of Flint." The five requirements, including the stipulation that only the Emergency Financial Manager or City Administrator are authorized to accept grants on behalf of the city, are included in the order.

This matter was Placed on File. The motion carried.

130203 Press Release/City of Flint/Flint Lifelines/Meeting Announcement

Press Release dated March 16, 2013, from Jason Lorenz, City of Flint Public Information Officer, re: Flint Lifelines, formerly CeaseFire Flint, will hold community meetings on the fourth Thursday of each month, beginning at 1 p.m. Thursday, March 28, 2013 at Flint Northwestern High School. The meetings are open to the public.

This matter was Placed on File. The motion carried.

130206 Flint City Council/Public Notice/Finance Committee Meeting/March 20, 2013

Public Notice posted March 19, 2013, re: The Flint City Council will hold a Finance Committee Meeting at 5:30 p.m. Wednesday, March 20, 2013, in the City Council Committee Room, 3rd Floor, City Hall.

This matter was Placed on File. The motion carried.

130208 Flint City Council/Public Notice/Special Affairs Committee Meeting/March 25, 2013

Public Notice posted March 22, 2013, re: The Flint City Council will hold a Special Affairs Committee Meeting at 5 p.m. Monday, March 25, 2013, in the City Council Committee Room, 3rd Floor, City Hall. A regular City Council meeting will immediately follow in the Council Chambers.

This matter was Placed on File. The motion carried.

130209 Traffic Engineering/Note for Bulletin/Street-Sidewalk-Lane Closures

Notes for Bulletin (3) dated February/March 2013, for street, sidewalk, or lane closures, re: (1) Harrison Street, Saginaw Street and Second Avenue (cable failure-March 11-March 20); (2) First Street, Harrison Street, Wallenberg, Kearsley, Crapo, Horrigan, and Harrison (St. Patrick's Day Pot O' Gold 4-Mil Run/Walk-March 17); and (3) Chevrolet Avenue (University Corner Grand Opening-March 22).

This matter was Placed on File. The motion carried.

Passed The Consent Agenda

A motion was made. The motion carried.

PUBLIC SPEAKERS

ROLL CALL

Councilperson Dale Weighill left at approximately 7 p.m.

Present: Councilperson: Councilperson Poplar, Vice President Nolden, Councilperson Freeman, Councilperson Lawler, Councilperson Neeley, Councilperson Sarginson, Kincaid and Councilperson Croom

Absent: Councilperson: Councilperson Weighill

APPOINTMENTS

130169.1 Amendment/Reappointment/Zoning Board of Appeals/Christine Monk (Ward 6)

Amended resolution resolving that the Flint City Council recommends the reappointment of Christine Monk (821 Frank Street, Flint MI 48504 - Ward 6), to the Zoning Board of Appeals for a three-year term, commencing September

1, 2011, and expiring September 1, 2014. [By way of background, Ms. Monk's term on the Zoning Board of Appeals expired in September 2011, but she has continued since that time to serve.] [Resolution amended to fix typographical error in first paragraph of resolution from "Board of Review" to "Zoning Board of Appeals."]

Sponsors: Sheldon A. Neeley

A motion was made by Councilperson Neeley, seconded by Councilperson Freeman, that this matter be Approved. The motion carried by the following vote:

Aye: 8 - Councilperson Poplar, Vice President Nolden, Councilperson Freeman, Councilperson Lawler, Councilperson Neeley, Councilperson Sarginson, President Kincaid and Councilperson Croom

Absent: 1 - Councilperson Weighill

130211 Appointment/Zoning Board of Appeals/Chris Zuwala (Ward 4)

Resolution resolving that the Flint City Council recommends the appointment of Chris Zuwala (3510 Whittier Avenue, Flint MI 48506 - Ward 4) to the Zoning Board of Appeals for a three-year term, expiring September 1, 2013. [NOTE: By way of background, Gloria Kelly's term as the 4th Ward representative expired in September 2007, but she continued to serve until resigning in January 2013.]

Sponsors: Joshua M. Freeman

A motion was made by Councilperson Freeman, seconded by Councilperson Poplar, that this matter be Approved. The motion carried by the following vote:

Aye: 8 - Councilperson Poplar, Vice President Nolden, Councilperson Freeman, Councilperson Lawler, Councilperson Neeley, Councilperson Sarginson, President Kincaid and Councilperson Croom

Absent: 1 - Councilperson Weighill

130212 Reappointment/Zoning Board of Appeals/Birdie V. Brooks (Ward 5)

Resolution resolving that the Flint City Council recommends the reappointment of Birdie V. Brooks (1307 Columbia Lane, Flint MI 48503 - Ward 5), to the Zoning Board of Appeals for the remainder of a three-year term, expiring September 1, 2014. [By way of background, Ms. Brook's term on the Zoning Board of Appeals expired in September 2011, but she has continued since that time to serve.]

Sponsors: Bernard Lawler

A motion was made by Councilperson Lawler, seconded by Councilperson Neeley, that this matter be Approved. The motion carried by the following vote:

Aye: 8 - Councilperson Poplar, Vice President Nolden, Councilperson Freeman, Councilperson Lawler, Councilperson Neeley, Councilperson Sarginson, President Kincaid and Councilperson Croom

Absent: 1 - Councilperson Weighill

130213

Resolution resolving that the Flint City Council recommends the reappointment of Marcia Braden (984 Barney Avenue, Flint MI 48503 - Ward 8), to the Zoning Board of Appeals for the remainder of a three-year term, expiring September 1, 2014. [By way of background, Ms. Braden's term on the Zoning Board of Appeals expired in September 2011, but she has continued since that time to serve.]

Sponsors: Michael J. Sarginson

A motion was made by Councilperson Sarginson, seconded by Councilperson Freeman, that this matter be Approved. The motion carried by the following vote:

Aye: 8 - Councilperson Poplar, Vice President Nolden, Councilperson Freeman, Councilperson Lawler, Councilperson Neeley, Councilperson Sarginson, President Kincaid and Councilperson Croom

Absent: 1 - Councilperson Weighill

130214 Reappointment/Zoning Board of Appeals/David C. Veasley (Ward 9)

Resolution resolving that the Flint City Council recommends the reappointment of David C. Veasley (2618 Pinetree Drive, Flint MI 48507 - Ward 9), to the Zoning Board of Appeals for the remainder of a three-year term, expiring September 1, 2015. [By way of background, Mr. Veasley's term on the Zoning Board of Appeals expired in September 2009, but he has continued since that time to serve.]

Sponsors: Scott Kincaid

A motion was made by Councilperson Freeman, seconded by Vice President Nolden, that this matter be Approved. The motion carried by the following vote:

Aye: 8 - Councilperson Poplar, Vice President Nolden, Councilperson Freeman, Councilperson Lawler, Councilperson Neeley, Councilperson Sarginson, President Kincaid and Councilperson Croom

Absent: 1 - Councilperson Weighill

130215 Appointment/Genesee County Land Bank Citizens' Advisory Council/Anthony Tucker (Ward 4)

Resolution resolving that the Flint City Council recommends the appointment of Anthony Tucker (2960 Henry Street, Flint MI 48506 - Ward 4) to the Genesee County Land Bank Citizens' Advisory Council for the remainder of a three-year term, expiring in January 2016. [NOTE: By way of background, Dan Anderson's term as the 4th Ward representative expired in January 2013.]

Sponsors: Joshua M. Freeman

A motion was made by Councilperson Freeman, seconded by Councilperson Poplar, that this matter be Approved. The motion carried by the following vote:

Aye: 8 - Councilperson Poplar, Vice President Nolden, Councilperson Freeman, Councilperson Lawler, Councilperson Neeley, Councilperson Sarginson, President Kincaid and Councilperson Croom

Absent: 1 - Councilperson Weighill

130218 Reappointment/Hurley Board of Hospital Managers/Philip W. Shaltz

Resolution resolving that the Flint City Council approves the reappointment of Philip W. Shaltz (14144 Moffet Drive, Fenton, MI 48430) to an additional five-year term on the (Hurley) Board of Hospital Managers, with such term to commence May 1, 2013, and expire April 30, 2018.

A motion was made by Councilperson Freeman, seconded by Vice President Nolden, that this matter be Approved. The motion carried by the following vote:

Aye: 8 - Councilperson Poplar, Vice President Nolden, Councilperson Freeman, Councilperson Lawler, Councilperson Neeley, Councilperson Sarginson, President Kincaid and Councilperson Croom

Absent: 1 - Councilperson Weighill

130219 Appointment/Hurley Board of Hospital Managers/Delrico Loyd

Resolution resolving that the Flint City Council approves the appointment of Delrico Loyd (2641 Westwood Parkway, Flint, MI 48507) to a five-year term on the (Hurley) Board of Hospital Managers, with such term to commence May 1, 2013, and expire April 30, 2018. [By way of background, Carl E. Mason was appointed in June 2008; his term expires April 30, 2013.]

Approved

Substituted

A motion was made by Councilperson Neeley, seconded by Councilperson Lawler, that this matter be POSTPONED for March 27, 2013. The motion failed by the following vote:

Aye: 3 - Councilperson Lawler, Councilperson Neeley and Councilperson Sarginson

No: 5 - Councilperson Poplar, Vice President Nolden, Councilperson Freeman, President Kincaid and Councilperson Croom

Absent: 1 - Councilperson Weighill

Substituted

A motion was made by Vice President Nolden, seconded by Councilperson Freeman, that this matter be Approved. The motion carried by the following vote:

Aye: 5 - Councilperson Poplar, Vice President Nolden, Councilperson Freeman, President Kincaid and Councilperson Croom

No: 3 - Councilperson Lawler, Councilperson Neeley and Councilperson Sarginson

Absent: 1 - Councilperson Weighill

130220 Appointment/Hurley Board of Hospital Managers/Donna Poplar

Resolution resolving that the Flint City Council approves the appointment of Donna Poplar (5277 Kimberly Woods Circle, Flint, MI 48504) to a five-year term

on the (Hurley) Board of Hospital Managers, with such term to commence May 1, 2013, and expire April 30, 2018. [By way of background, Frances Gilcreast was appointed in August 2008; her term expires April 30, 2013.]

Approved

Substituted

A motion was made by Councilperson Lawler, seconded by Councilperson Neeley, that this matter be POSTPONED for March 26, 2013. The motion carried by the following vote:

Aye: 7 - Councilperson Poplar, Vice President Nolden, Councilperson Lawler, Councilperson Neeley, Councilperson Sarginson, President Kincaid and Councilperson Croom

No: 1 - Councilperson Freeman

Absent: 1 - Councilperson Weighill

RESOLUTIONS

130165.1 Amended Resolution/Contract/City of Flint/Karegnondi Water Authority (KWA)

Amended resolution resolving that city officials are authorized to enter into a contract with Karegnondi Water Authority (KWA) to purchase fifteen (15) units of capacity, AND, resolving that the City Administrator is authorized to provide KWA information needed to administer the contract, and, with approval of the Chief Legal Officer, to make minor (non-material) modifications to the contract. [NOTE: For each unit of capacity that a member purchases, the buyer shall pay to the KWA a one-time fee of $32,300. Additionally, the buyer shall pay to the KWA not less than $32,300.00 per unit per year until such time as water is made available to the buyer. After water is made available, the buyer shall pay to the KWA an estimated amount NOT-TO-EXCEED $355,300.00 per unit per year until such time that the bonds are paid in full. If it is determined that the costs per unit will exceed $355,300.00, the buyer has a right to cancel the contract. Over the next 25 years, it is expected that continuing with Detroit will cost the region $2.1 billion, compared to $1.9 billion with a pipeline.] [NOTE: Contract not included.] [NOTE: Resolution amended from 18 to 15 units of capacity.]

A motion was made by Councilperson Neeley, seconded by Councilperson Freeman, that this matter be Amended. The motion carried by the following vote:

Aye: 5 - Vice President Nolden, Councilperson Freeman, Councilperson Lawler, Councilperson Neeley and Councilperson Sarginson

No: 3 - Councilperson Poplar, President Kincaid and Councilperson Croom

Absent: 1 - Councilperson Weighill

130165.2 Amended Resolution/Contract/City of Flint/Karegnondi Water Authority (KWA)

Amended resolution resolving that city officials are authorized to enter into a contract with Karegnondi Water Authority (KWA) to purchase sixteen (16) units

of capacity, AND, resolving that the City Administrator is authorized to provide KWA information needed to administer the contract, and, with approval of the Chief Legal Officer, to make minor (non-material) modifications to the contract. [NOTE: For each unit of capacity that a member purchases, the buyer shall pay to the KWA a one-time fee of $32,300. Additionally, the buyer shall pay to the KWA not less than $32,300.00 per unit per year until such time as water is made available to the buyer. After water is made available, the buyer shall pay to the KWA an estimated amount NOT-TO-EXCEED $355,300.00 per unit per year until such time that the bonds are paid in full. If it is determined that the costs per unit will exceed $355,300.00, the buyer has a right to cancel the contract. Over the next 25 years, it is expected that continuing with Detroit will cost the region $2.1 billion, compared to $1.9 billion with a pipeline.] [NOTE: Contract not included.] [NOTE: Resolution amended from 15 to 16 units of capacity.]

A motion was made by Councilperson Neeley, seconded by Councilperson Freeman, that this matter be Adopted. The motion carried by the following vote:

Aye: 7 - Councilperson Poplar, Councilperson Freeman, Councilperson Lawler, Councilperson Neeley, Councilperson Sarginson, President Kincaid and Councilperson Croom

No: 1 - Vice President Nolden

Absent: 1 - Councilperson Weighill

130216 Approval/The First Amendment & Restated Rules Governing the Downtown Development Authority (DDA) of the City of Flint

Resolution that the City of Flint hereby approves and The First Amendment & Restated Rules Governing the Downtown Development Authority (DDA) of the City of Flint, attached hereto. [NOTE: The City of Flint created the DDA, in accordance with Public Act 197 of 1975, as amended, and approved The Rules Governing the DDA in 1977. Public Act 197 has been amended and revised at various times since then, which required the proposed changes.] [NOTE: The First Amendment & Restated Rules Governing the Downtown Development Authority (DDA) of the City of Flint is attached.]

A motion was made by Councilperson Freeman, seconded by Vice President Nolden, that this matter be Amended. The motion carried by the following vote:

Aye: 8 - Councilperson Poplar, Vice President Nolden, Councilperson Freeman, Councilperson Lawler, Councilperson Neeley, Councilperson Sarginson, President Kincaid and Councilperson Croom

Absent: 1 - Councilperson Weighill

130216.1 Amended Resolution/Approval/The First Amendment & Restated Rules Governing the Downtown Development Authority (DDA) of the City of Flint

Amended resolution that the City of Flint hereby approves and The First Amendment & Restated Rules Governing the Downtown Development Authority (DDA) of the City of Flint, attached hereto. [NOTE: The City of Flint created the DDA, in accordance with Public Act 197 of 1975, as amended, and approved The Rules Governing the DDA in 1977. Public Act 197 has been

amended and revised at various times since then, which required the proposed changes.] [NOTE: The First Amendment & Restated Rules Governing the Downtown Development Authority (DDA) of the City of Flint is attached.] [Resolution amended for changes to rules.]

A motion was made by Councilperson Freeman, seconded by Vice President Nolden, that this matter be Adopted. The motion carried by the following vote:

Aye: 8 - Councilperson Poplar, Vice President Nolden, Councilperson Freeman, Councilperson Lawler, Councilperson Neeley, Councilperson Sarginson, President Kincaid and Councilperson Croom

Absent: 1 - Councilperson Weighill

RESOLUTIONS - MAY BE REFERRED FROM S.A.

130210 Resolution/City Council/Mayor Dayne Walling/Request for Appointment of Transition Advisory Board

Resolution resolving that Mayor Dayne Walling and the Flint City Council request and recommend to Gov. Rick Snyder that a receivership transition advisory board be appointed for the City of Flint under Public Act 436 no later than July 1, 2013. [NOTE: On December 1, 2011, Gov. Snyder appointed Michael K. Brown as Emergency Manager under Public Act 4 for the City of Flint, due in part to a consistent deficit in the general fund, the decline in pooled cash, budget issues and unfunded liabilities for post-employment benefits. Due to the suspension and subsequent repeal of Public Act 4, Gov. Snyder appointed Edward J. Kurtz as Emergency Financial Manager under Public Act 72 for the City of Flint, effective August 9, 2012. Both the Emergency Manager and the subsequently appointed Emergency Financial Manager were authorized by virtue of their appointment to "act for and in the place and stead of the governing body and the office of chief administrative officer of the City of Flint." On March 28, 2013, Public Act 436 will become effective and provides that an emergency financial manager appointed and serving under state law immediately prior to the effective date shall continue to serve as an emergency manager under Public Act 436. As an alternative to continuation of an emergency manager, and if the financial emergency has been rectified, Public Act 436 authorizes the governor to appoint a receivership transition advisory board, which serves at the pleasure of the governor and monitors the affairs of the local government until the receivership is terminated.]

No vote was taken on this amendment.

Amended

130210.1 Amended Resolution/City Council/Mayor Dayne Walling/Request for Appointment of Transition Advisory Board

Amended resolution resolving that Mayor Dayne Walling and the Flint City Council request and recommend to Gov. Rick Snyder that a receivership transition advisory board be appointed for the City of Flint under Public Act 436 no later than July 1, 2013. [NOTE: On December 1, 2011, Gov. Snyder appointed Michael K. Brown as Emergency Manager under Public Act 4 for the

City of Flint, due in part to a consistent deficit in the general fund, the decline in pooled cash, budget issues and unfunded liabilities for post-employment benefits. Due to the suspension and subsequent repeal of Public Act 4, Gov. Snyder appointed Edward J. Kurtz as Emergency Financial Manager under Public Act 72 for the City of Flint, effective August 9, 2012. Both the Emergency Manager and the subsequently appointed Emergency Financial Manager were authorized by virtue of their appointment to "act for and in the place and stead of the governing body and the office of chief administrative officer of the City of Flint." On March 28, 2013, Public Act 436 will become effective and provides that an emergency financial manager appointed and serving under state law immediately prior to the effective date shall continue to serve as an emergency manager under Public Act 436. As an alternative to continuation of an emergency manager, and if the financial emergency has been rectified, Public Act 436 authorizes the governor to appoint a receivership transition advisory board, which serves at the pleasure of the governor and monitors the affairs of the local government until the receivership is terminated.] [Six-page resolution amended for changes proposed by City Council, City Clerk and Mayor Dayne Walling.]

A motion was made by Councilperson Freeman, seconded by Councilperson Poplar, that this matter be Adopted. The motion carried by the following vote:

Aye: 8 - Councilperson Poplar, Vice President Nolden, Councilperson Freeman, Councilperson Lawler, Councilperson Neeley, Councilperson Sarginson, President Kincaid and Councilperson Croom

Absent: 1 - Councilperson Weighill

MEETING SCHEDULE

ADDITIONAL COUNCIL DISCUSSION

ADJOURNMENT

Having no further business, Council President Scott Kincaid adjourned the meeting at 8:59 p.m.

Respectfully transcribed and submitted,

Janell Johnson, Administrative Secretary to City Council

EM SUBMISSION NO.: 2013EM041

PRESENTED: 3-28-13

ADOPTED: 3-29-13

BY THE EMERGENCY MANAGER:

RESOLUTION TO PURCHASE CAPACITY FROM KAREGNONDI WATER AUTHORITY

The Karegnondi Water Authority (KWA) is a governmental consortium of cities and counties in southeastern Michigan that was created to build a water pipeline that will provide water from Lake Huron to interested communities in Sanilac, Lapeer, and Genesee counties. The incorporating bodies that created the KWA are Sanilac County, Lapeer County, Genesee County, the City of Flint, and the City of Lapeer.

The City of Flint is currently in a year to year contract with the City of Detroit for the purchase of water. A study was conducted that projected that staying with Detroit will cost the region $2.1 billion over the next 25 years. In contrast, if the region builds its own pipeline, the projected costs are $1.9 billion over the same period. After the initial 25 year period, the projected costs would be less then 25% of the projected water costs from Detroit.

In order to build the pipeline, the KWA needs commitment from its members regarding the capacity that each member will purchase in the pipeline. The KWA is allowed to withdraw 85 million gallons of water per day. Capacity is available to members in increments of 1 million gallons per day known as units. For each unit of capacity that a member purchases, the buyer shall pay to the KWA a one time fee of $32,300.00. Additionally, the buyer shall pay to the KWA not less then $32,300.00 per unit per year until such time as water is made available to the buyer. After water is made available, the buyer shall pay to the KWA an estimated amount not to exceed $355.300.00 per unit per year until such time that the bonds are paid in full. If it is determined that the costs per unit will exceed $355,300.00 the buyer has a right to cancel the contract.

The purchase of capacity along with the payment of other costs necessary to operate the pipeline gives the member a right to water for sale to its customers. The buyer has a right to resell capacity and water rights. Each party entering into a capacity contract shall also be entitled to appoint additional board members equal to the party's percentage share of the total capacity under contract.

It is in the long term best interests of the City of Flint to enter into a contract with the KWA to purchase up to eighteen (18) units of capacity.

IT IS RESOLVED that City officials are authorized to enter into a contract with KWA to purchase up to eighteen (18) units of capacity.

IT IS FURTHER RESOLVED that the City Administrator is authorized to provide KWA information needed to administer the contract and, with approval of the Chief Legal Officer, to make minor (non-material) modifications to the contract.

APPROVED AS TO FORM:

Peter M. Bade, City Attorney

APPROVED AS TO FINANCE:

For **Gerald Ambrose, Finance Director**

EM DISPOSITION:

ENACT 1/ **FAIL** _____ **DATED** 3-29-13

Edward L. Kurtz, Emergency Manager

S:\P. Bade\EM2013\Resolutions\KWA.03.28.13.doc

Flint

Flint City Council approves resolution to buy water from Karegnondi, state approval still needed

[http://connect.mlive.com/staff/dadams1/index.html] By Dominic Adams | dadams5@mlive.com [http://connect.mlive.com/staff/dadams1/posts.html]
Follow on Twitter [http://www.twitter.com/dominicadams]
on March 25, 2013 at 10:45 PM, updated March 26, 2013 at 1:28 AM

FLINT, MI – Flint is one step closer to getting its water from Lake Huron as part of the Karegnondi Water Authority.

The vote, **approved 7-1 at the Flint City Council meeting Monday, March 25 [http://www.mlive.com/news/flint/index.ssf/2013/03/flint_city_council_again_delay.html]** , may have set in motion the end to Flint paying to get its water from Detroit.

Under the proposal, Flint would get 16 million gallons per day of raw water from Lake Huron, pipe it to Flint for treatment and then sell it to customers throughout the city. Another 2 million gallons per day would come from the Flint River and will be treated in Flint.

Mayor Dayne Walling said the Department of Environmental Quality must approve Flint's getting 2 million gallons per day from the Flint River.

Tuesday's meeting followed weeks of discussions and special meetings surrounding the resolution.

"We got there," Councilman Joshua Freeman said. "That's the important thing."

There were more than 50 people at Monday's meeting.

"Going with Karegnondi is the best decision. We have no opinion on the economics of the decision," said Rebecca Fedewa, Flint River Watershed Coalition executive director. "If we start drawing water out of the Flint River, we are at risk of having to start releasing water from our reservoirs."

Genesee County Drain Commissioner Jeff Wright said the decision must still be approved by a county water and waste advisory board. The KWA board will then be reconvened for final approval.

Wright said construction could start in May.

State treasury officials still must approve the city council's move because Flint has an emergency financial manager. All expenditures over $50,000 must be approved.

Genesee County Drain Commissioner Jeff Wright has said that Flint would pay roughly $6.4 million annually for water service if it joined the pipeline -- a nearly $4 million savings on what it pays Detroit for water.

Walling previously said the **city would save $19 million over eight years [http://www.mlive.com/news/flint/index.ssf/2013/03/flint_city_council_delays_deci.html]** by getting water from the KWA.

"It's a historic night in the City of Flint," Walling said. "The savings will be less with the capacity level approved by city council because there will be increased treatment cost for the river water."

He said the DEQ told the city it needed to get 18 million gallons per day or there would have to be additional work done at Flint's water plant.

Flint's water plant and the Flint River is currently the backup for Flint and Genesee County, however, the plant only operates four times per year.

Councilman Bryant Nolden was the lone dissenting vote.

"It was a protest vote," Nolden said. "I knew they had enough votes. I just feel like the Flint River is our best option."

Karengnondi is the regional water authority that includes Genesee, Lapeer and Sanilac counties and the cities of Flint and Lapeer.

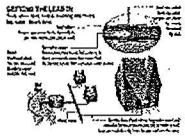
Flint is the second municipality, behind Genesee County, to officially decide to purchase raw water through the KWA. Lapeer city officials said they intend to purchase water, but an agreement has been finalized.

*Dominic Adams is a reporter for MLive-Flint Journal. Contact him at **dadams5@mlive.com** or 810-241-8803. Follow him on **Twitter [http://www.twitter.com/dominicadams]** , **Facebook [http://www.facebook.com/dominic.adams.1865]** or **Google+ [https://plus.google.com/103690672506808729911?rel=author]** .*

Related Stories

Price of Detroit water for Flint is $1.5 million a month, mayor says

[http://www.mlive.com/news/flint/index.ssf/2015/10/mayor_city_ad



Here's how that toxic lead gets into Flint water

[http://www.mlive.com/news/flint/index.ssf/2015/10/see_step_by_s

Registration on or use of this site constitutes acceptance of our User Agreement and Privacy Policy

© 2015 MLive Media Group All rights reserved (About Us).
The material on this site may not be reproduced, distributed, transmitted, cached or otherwise used, except with the prior written permission of MLive Media Group

Community Rules apply to all content you upload or otherwise submit to this site. Contact interactivity management.

▷ Ad Choices

GENESEE COUNTY DRAIN COMMISSIONER'S OFFICE
JEFFREY WRIGHT
COMMISSIONER
G-4608 BEECHER ROAD, FLINT, MI 48532
PHONE (810) 732-1590 FAX (810) 732-1474

FOR IMMEDIATE RELEASE

March 26, 2013

CONTACT: Jeff Wright

810-287-1925

What: Jeff Wright Statement on Flint City Council Approving Resolution to Join KWA.

When: March 26, 2013

Additional Info: Jeff Wright, CEO of the KWA, today praised the Flint City Council for voting to approve a resolution to officially have the City of Flint join the KWA and its' water line.

"I have said from the beginning that this decision must be made by Flint's City Council and Mayor," said Wright. "I appreciate the council voting the way they did, but even more than that, I am glad the residents of Flint were able to have their voices heard via their elected officials." The next step in the process will come with the KWA Board executing the contract for the City.

"The most important aspect from the vote is the fact that we as an Authority can move forward knowing Flint's intentions," said Wright.

Despite Emergency Manager Ed Kurtz publicly supporting the project, Wright had made a vote by council a condition of Flint joining the KWA so the residents would have their say.

"There is a basic tenet that government is best when it has local control. We saw that with the council vote. Nobody, whether they live in Flint, Grand Blanc, Davison, Fenton, or anywhere in Genesee County, should have these types of decisions made by people who live outside of their community," said Wright.

At the next Water and Waste Advisory Board meeting a vote will be taken to award a contract for construction of the intake portion of the water line. All bids were submitted to the board at their last meeting for review.

89 (Rev. 02-11)

STATE OF MICHIGAN
DEPARTMENT OF TREASURY
LANSING

RICK SNYDER
GOVERNOR

ANDY DILLON
STATE TREASURER

April 11, 2013

Mr. Edward Kurtz
Emergency Manager
City of Flint
1101 South Saginaw Street
Flint, MI 48502

Dear Mr. Kurtz:

Thank you for your March 29, 2013 letter, which is attached for reference. As the Emergency Manager for the City of Flint ("Flint" or "City"), you have asked for my concurrence, pursuant to Public Act 436 of 2012, the Local Financial Stability and Choice Act, to authorize a contract in excess of $50,000.00 not subject to competitive bidding. This request was related to the City entering into an agreement with the Karegnondi Water Authority (KWA) for provision of raw water for the City.

In considering your request, I took note of the following facts in support of Flint joining KWA. First, there is widespread support in the City for this move, including the support of the Mayor, the City Council, and the Emergency Manager. Second, this move will provide a unique opportunity for the City and County to partner on an important project, which will hopefully lead to future regional collaboration. Third, the Department of Environmental Quality is supportive of the City participating in the KWA project. Finally, your representations that this deal will lead to substantial savings for the City over the coming decades, savings that are desperately needed to help with the turnaround of the City of Flint.

It is my understanding that the Detroit Water and Sewer Department is making a final best offer to Genesee County and the City of Flint next Monday, April 15, 2013. As such, this approval will be effective at 5 pm on April 16, 2013 after receiving written notice from the City that either no such offer was presented to the county and the City or that an offer was received and was rejected in good faith based upon specified objections.

For the reasons described above and subject to the conditions set forth herein, pursuant to Section 12 (3) of PA 436 of 2012, I am authorizing you to proceed with adopting the resolution and entering into a contract with KWA.

Sincerely,

Andy Dillon
State Treasurer

Flint

Flint council supports buying water from Lake Huron through KWA

[http://connect.mlive.com/staff/dadams1/index.html] By Dominic Adams | dadams5@mlive.com [http://connect.mlive.com/staff/dadams1/posts.html]
Follow on Twitter [http://www.twitter.com/dominicadams]
on March 25, 2013 at 7:17 PM, updated March 26, 2013 at 7:43 AM

FLINT, MI -- Flint residents may soon get their water from Lake Huron.

The Flint City Council voted 7-1 to get 16 million gallons per day from the Karegnondi Water Authority.

"This is about compromise," said Councilman Sheldon Neeley.

Neeley got support from Councilman Joshua Freeman, after the two were previously at odds about the amount the city should withdraw from Lake Huron.

Councilman Bryant Nolden was the lone "no" vote.

"It was a protest vote," Nolden said. "I just feel like the Flint River is our best option."

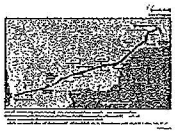
Genesee County Drain Commissioner said construction of the pipeline could start in May.

The city currently pays to get its water from Detroit.

State treasury officials still must approve the city council's move because Flint has an emergency financial manager. All expenditures over $50,000 must be approved.

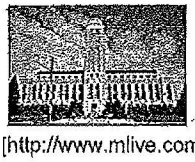
*Dominic Adams is a reporter for MLive-Flint Journal. Contact him at **dadams5@mlive.com** or 810-241-8803. Follow him on **Twitter [http://www.twitter.com/dominicadams]** , **Facebook [http://www.facebook.com/dominic.adams.1865]** or **Google+ [https://plus.google.com/103690672506808729911?rel=author]** .*

Related Stories



Enbridge can begin piping tar sands oil along Lake Ontario north shore

[http://www.mlive.com/news/index.ssf/2015/10/enbridge_can_beg



Former Detroit American Motors Corp. headquarters being auctioned; starting bid $500

[http://www.mlive.com/news/detroit/index.ssf/2015/10/former_detr

Registration on or use of this site constitutes acceptance of our User Agreement and Privacy Policy

© 2015 MLive Media Group All rights reserved (About Us).
The material on this site may not be reproduced, distributed, transmitted, cached or otherwise used, except with the prior written permission of MLive Media Group

Community Rules apply to all content you upload or otherwise submit to this site. Contact Interactivity management.

▷ Ad Choices

Resolution: 130165.2

Presented: 3-11-13

Adopted: 3-25-13

AMENDED RESOLUTION TO PURCHASE CAPACITY FROM KAREGNONDI WATER AUTHORITY

BY THE MAYOR:

The Karegnondi Water Authority (KWA) is a governmental consortium of cities and counties in southeastern Michigan that was created to build a water pipeline that will provide water from Lake Huron to interested communities in Sanilac, Lapeer, and Genesee counties. The incorporating bodies that created the KWA are Sanilac County, Lapeer County, Genesee County, the City of Flint, and the City of Lapeer.

The City of Flint is currently in a year to year contract with the City of Detroit for the purchase of water. A study was conducted that projected that staying with Detroit will cost the region $2.1 billion over the next 25 years. In contrast, if the region builds its own pipeline, the projected costs are $1.9 billion over the same period. After the initial 25 year period, the projected costs would be less then 25% of the projected water costs from Detroit.

In order to build the pipeline, the KWA needs commitment from its members regarding the capacity that each member will purchase in the pipeline. The KWA is allowed to withdraw 85 million gallons of water per day. Capacity is available to members in increments of 1 million gallons per day known as units. For each unit of capacity that a member purchases, the buyer shall pay to the KWA a one time fee of $32,300.00. Additionally, the buyer shall pay to the KWA not less then $32,300.00 per unit per year until such time as water is made available to the buyer. After water is made available, the buyer shall pay to the KWA an estimated amount not to exceed $355,300.00 per unit per year until such time that the bonds are paid in full. If it is determined that the costs per unit will exceed $355,300.00 the buyer has a right to cancel the contract.

The purchase of capacity along with the payment of other costs necessary to operate the pipeline gives the member a right to water for sale to its customers. The buyer has a right to resell capacity and water rights. Each party entering into a capacity contract shall also be entitled to appoint additional board members equal to the party's percentage share of the total capacity under contract.

The City of Flint has decided that it is in its long term best interests to enter into a contract with the KWA to purchase SIXTEEN (16) units of capacity, plus TWO (2) units from the Flint River.

IT IS RESOLVED that City officials are authorized to enter into a contract with KWA to purchase SIXTEEN (16) units of capacity, plus TWO (2) units from the Flint River.

IT IS FURTHER RESOLVED that the City Administrator is authorized to provide KWA information needed to administer the contract and, with approval of the Chief Legal Officer, to make minor (non-material) modifications to the contract.

APPROVED AS TO FORM:

Peter M. Bade
Chief Legal Officer

APPROVED AS TO FINANCE:

Gerald Ambrose
Finance Director

APPROVED BY MAYOR:

Dayne Walling
Mayor

APPROVED BY CITY COUNCIL
ON: March 25, 2013

Inez Brown
Clerk, City of Flint

APPROVED BY
CITY COUNCIL
MAR 25 2013

S:\JP\Ordinances and Resos\KWA.03.08.13.doc

From: Lawrence Reynolds <[redacted]>
Sent: Friday, October 23, 2015 11:00 AM
To: Baird, Richard (GOV)
Cc: Weber, Travis (GOV); Matt Davis; Chris Kolb; Eric Rothstein; [redacted]
Subject: Re: Open Meetings and FOIA

There are statements of fact- "we meet standards " , statements of caution and concern - " we are not comfortable with an action and disproportionate assignment of the Borden of proof- " I am right and you have no proof for insisting a different course. Additionally ,impacts on environmental healthier differ , depending on where you are in your life course and when the health issue manifests itself distal to the insult. And the reassurance must be in a climate of trust.No such climate exists in Flint.

On Friday, October 23, 2015, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:
I agree with Dr. Reynolds and it is sometimes a fine line to walk between discussing preliminary findings/conclusions before validation, and providing public insight into the process underway. People will not trust silence but neither will their trust be sustained if public statements of "fact" have to be recanted in the light of additional evidence.

The collective experience of this panel gives comfort that you can keep the balance.

Again, we thank you for taking this on.

Rich

Sent from my Verizon Wireless 4G LTE DROID
On Oct 23, 2015 8:14 AM, Lawrence Reynolds <[redacted]> wrote:
I am working on getting coverage for our annual conference to participate. I would prefer to call in.
Please keep in mind, our government agencies have insisted they are operating within the letter of the law and regulations.This position has been used to ignore citizen and non- governmental concerns for several months. We should consider the balance we must maintain.The last thing we need are the same spokespeople who dismissed those concerns speaking for this advisory task force.Perception is based in reality.
We also need to identify the overlap of our work and the other reviews going on and what will make our review distinctive.

On Thursday, October 22, 2015, Ken Sikkema <[redacted]>>
wrote:
Thank you..

Ken

On Thursday, October 22, 2015, Weber, Travis (GOV) <WeberT
.gov> wrote:
I would be happy to do so.

Travis W. Weber
Deputy Legal Counsel
Executive Office of the Governor

111 South Capitol Avenue
P.O. Box 30013
Lansing, MI 48909
517.241.5630

On Oct 22, 2015, at 12:18 PM, Ken Sikkema [redacted] wrote:

Travis:

Would you be available next Wed (Oct 28) at approximately 10 am to provide a briefing to the Flint Water Task Force members on the Open Meetings Act and FOIA and answer questions?

We are planning to meet at PSC offices in downtown Lansing--230 North Washington, 3rd floor..

Thank you in advance...

Ken Sikkema

On Thu, Oct 22, 2015 at 10:53 AM, Weber, Travis (GOV)
<WeberT7@michigan.gov<mailto:WeberT7@michigan.gov>> wrote:
Senator,
Happy to help with this issue. I would prefer to do so over the phone or in person, but am happy to answer questions and give a brief lay of the OMA/FOIA land if you'd prefer over email.

Travis W. Weber
Deputy Legal Counsel
Executive Office of the Governor
111 South Capital Avenue
P.O. Box 30013
Lansing , Michigan 48909
517.241.5630<tel:517.241.5630>, WeberT7@michigan.gov<mailto:WeberT7@michigan.gov>

From: Baird, Richard (GOV)
Sent: Thursday, October 22, 2015 9:49 AM
To: 'Ken Sikkema' [redacted] Weber, Travis (GOV)
'<WeberT7@michigan.gov<mailto:WeberT7@michigan.gov>>
Cc: Chris Kolb [redacted] Matt Davis [redacted] Lawrence Reynolds [redacted]>; Eric Rothstein [redacted]
Subject: RE: Open Meetings and FOIA

Ken:

I think Travis Weber in our Legal Office is best positioned and am copying him here. I believe that this body would function under the same EO privilege that the Council for Law Enforcement And Reinvention (CLEAR) functions. Because it is advisory to the governor only, and not a body enabled under statute, it is not subject to OMA. But I am not the Attorney here. Over to Travis.

Rich

From: Ken Sikkema [mailto:[redacted]
Sent: Thursday, October 22, 2015 9:19 AM
To: Baird, Richard (GOV)
Cc: Chris Kolb; Matt Davis; Lawrence Reynolds; Eric Rothstein
Subject: Open Meetings and FOIA

Rich:

I'm feeling the need to have a better understanding of how these statutes apply--or don't apply--to the work of the Task Force and what alternatives the Task Force might want to utilize to address any criticism. Could you put me in touch with someone who can walk me through this a bit?

Thanks

--

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954<tel:517-484-4954>
[redacted]

--

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
[redacted]

--

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
[redacted]

--
Lawrence Reynolds

--
Lawrence Reynolds

From: Eric Rothstein <[redacted]>
Sent: Friday, October 23, 2015 12:40 PM
To: Baird, Richard (GOV)
Subject: [Flint Water Advisory Task Force] FW: Open Meetings and FOIA

Reply ABOVE THIS LINE to add a comment to this message

Project: Flint Water Advisory Task Force
Company: Flint Water

Eric Rothstein posted a new message:
FW: Open Meetings and FOIA

This e-mail is simply to archive the e-mail exchange below on our Basecamp site.

– Eric

Eric P. Rothstein, CPA
GLWA Implementation Planning Program Manager
Galardi Rothstein Group – Principal
3300 N. Lake Shore Drive, Unit 6C
Chicago, IL 60657

iPhone: [redacted]
E-Mail: [redacted]
Web: www.grg-ltd.com

From: Laurence Reynolds >
Date: Friday, October 23, 2015 at 10:00 AM
To: Rich Baird >
Cc: "Weber, Travis (GOV)" >, "Matthew M. Davis" >, Chris Kolb >, Eric Rothstein >, Ken Sikkema >
Subject: Re: Open Meetings and FOIA

There are statements of fact- "we meet standards " , statements of caution and concern – " we are not comfortable with an action and disproportionate assignment of the Borden of proof- " I am right and you have no proof for insisting a different course. Additionally ,impacts on environmental healthier differ , depending on where you are in your life course and when the health issue manifests itself distal to the insult. And the reassurance must be in a climate of trust.No such climate exists in Flint.

On Friday, October 23, 2015, Baird, Richard (GOV) > wrote:
I agree with Dr. Reynolds and it is sometimes a fine line to walk between discussing preliminary findings/conclusions before validation, and providing public insight into the process underway. People will not trust silence but neither will their trust be sustained if public statements of "fact" have to be

recanted in the light of additional evidence.

The collective experience of this panel gives comfort that you can keep the balance.

Again, we thank you for taking this on.

Rich

Sent from my Verizon Wireless 4G LTE DROID
On Oct 23, 2015 8:14 AM, Lawrence Reynolds > wrote:
I am working on getting coverage for our annual conference to participate. I would prefer to call in. Please keep in mind, our government agencies have insisted they are operating within the letter of the law and regulations.This position has been used to ignore citizen and non- governmental concerns for several months. We should consider the balance we must maintain.The last thing we need are the same spokespeople who dismissed those concerns speaking for this advisory task force.Perception is based in reality.
We also need to identify the overlap of our work and the other reviews going on and what will make our review distinctive.

On Thursday, October 22, 2015, Ken Sikkema >> wrote:
Thank you..

Ken

On Thursday, October 22, 2015, Weber, Travis (GOV) wrote:
I would be happy to do so.

Travis W. Weber
Deputy Legal Counsel
Executive Office of the Governor
111 South Capitol Avenue
P.O. Box 30013
Lansing, MI 48909
517.241.5630

On Oct 22, 2015, at 12:18 PM, Ken Sikkema >> wrote:

Travis:

Would you be available next Wed (Oct 28) at approximately 10 am to provide a briefing to the Flint Water Task Force members on the Open Meetings Act and FOIA and answer questions?

We are planning to meet at PSC offices in downtown Lansing—230 North Washington, 3rd floor..

Thank you in advance…

Ken Sikkema

On Thu, Oct 22, 2015 at 10:53 AM, Weber, Travis (GOV) >> wrote:
Senator,
Happy to help with this issue. I would prefer to do so over the phone or in person, but am happy to answer questions and give a brief lay of the OMA/FOIA land if you'd prefer over email.

Travis W. Weber
Deputy Legal Counsel
Executive Office of the Governor
111 South Capital Avenue
P.O. Box 30013
Lansing , Michigan 48909
517.241.5630, WeberT7@michigan.gov>

From: Baird, Richard (GOV)
Sent: Thursday, October 22, 2015 9:49 AM
To: 'Ken Sikkema' >>; Weber, Travis (GOV) >>
Cc: Chris Kolb >>; Matt Davis >>; Lawrence Reynolds >>; Eric Rothstein >>
Subject: RE: Open Meetings and FOIA

Ken:

I think Travis Weber in our Legal Office is best positioned and am copying him here. I believe that this body would function under the same EO privilege that the Council for Law Enforcement And Reinvention (CLEAR) functions. Because it is advisory to the governor only, and not a body enabled under statute, it is not subject to OMA. But I am not the Attorney here. Over to Travis.

Rich

From: Ken Sikkema [mailto:[redacted]
Sent: Thursday, October 22, 2015 9:19 AM
To: Baird, Richard (GOV)
Cc: Chris Kolb; Matt Davis; Lawrence Reynolds; Eric Rothstein
Subject: Open Meetings and FOIA

Rich:

I'm feeling the need to have a better understanding of how these statutes apply—or don't apply—to the work of the Task Force and what alternatives the Task Force might want to utilize to address any criticism. Could you put me in touch with someone who can walk me through this a bit?

Thanks

—
Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
[redacted]
—
Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
[redacted]
—
Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
[redacted]
—Lawrence Reynolds
—Lawrence Reynolds

This message was sent to Chris Kolb, Dana Pulver, Deborah Higgins, Eric Rothstein, Ken Sikkema, Larry Reynolds, Matt Davis, Michele VanSickle, Rich Baird, and Tracey Poteat.

Stop receiving emails when comments are posted to this message. Prefer plain text emails?

Delivered by Basecamp

From: Davis, Matthew (Matt) <[redacted]>
Sent: Monday, October 26, 2015 9:17 PM
To: Eric Rothstein; Ken Sikkema; Chris Kolb; Lawrence Reynolds
Cc: Baird, Richard (GOV)
Subject: Re: Goals for Task Force
Attachments: Flint Water Task Force.draftscope.211015_MMD.docx

Team -

Please find my initial draft of questions for us to consider, added to Ken's draft that he circulated earlier.

For our agenda on Wed, I would highlight the importance of:
1 - OMA/FOIA
2 - Our need for awareness about others' assessments in this same space — although there is virtually no way that we will be fully aware of all others' activities (investigatory, journalistic, legal) in this arena, being aware of the "official" inquiries may potentially assist us in tapping others' fact-finding (e.g., MDEQ's internal review to be completed within 30 days). We need a "map" (or perhaps a Venn diagram).
3 – As this is still a new group, it may be helpful for us to take 5 mins to share what, for each of us, would represent "success" in the deliverables for this task force.

An additional question about logistics:
Are we anticipating the need to keep our own minutes — and if yes, should we rotate that role? Or is there the possibility of having a staff member dedicated to this purpose — perhaps from PSC, or the Env Council, or my research unit at UM (or elsewhere), with modest support for this purpose from the Gov's office?

Matt

From: Eric Rothstein <[redacted]>
Date: Monday, October 26, 2015 at 6:44 PM
To: 'Ken Sikkema' <[redacted]>, Chris Kolb <[redacted]>, MM Davis [redacted]
Cc: Richard Baird <bairdr@michigan.gov>
Subject: Re: Goals for Task Force

Y'all,

Without having had an opportunity to review Ken's contribution, I thought I would pass along my initial cut at some thoughts on questions / work plan for your review and consideration. I would like to flesh this out further but this may give some idea of the questions / approach ideas that arose during my weekend reading sessions.

As for agenda ideas, a few items — some of which have already been noted:

- Basecamp orientation (5 min)
- OMA / FOIA review (already identified)
- Protocol for addressing issues that may identify potential liabilities
- Defining how our review differs/complements/ etc the seeming multitude of other reviews
- Calendar

Lastly, a couple of clarifications / apologies regarding Basecamp:

1. By way of apology, I live under the illusion that my home is in Chicago and so my computer is set to Central Standard Time. On my calendar, our meeting on Wed. shows up as 10:00 a.m. but I think Basecamp converted it to 11:00 EST on your machines. My apologies for the confusion — and thanks to Ken for the correction.
2. We have set up 2 projects (so far) in Basecamp. The first is just for us — the Flint Water Advisory Task Force (and Rich B.). I thought this might be useful if we wanted to be able to have exchanges among the core task force membership. The second project, Flint Water Review, includes everyone that was on the earlier distributed roster (and their aides). Sorry for any confusion there.

I will also post the attached to the task force project — and hope to have some further thoughts /revisions tomorrow night.

Please let me know if you have any questions or concerns.

- Eric

Eric P. Rothstein, CPA
GLWA Implementation Planning Program Manager
Galardi Rothstein Group - Principal
3300 N. Lake Shore Drive, Unit 6C
Chicago, IL 60657

iPhone: [redacted]
E-Mail: [redacted]
Web: www.grg-ltd.com

From: Ken Sikkema <[redacted]
Date: Monday, October 26, 2015 at 10:02 AM
To: Chris Kolb <[redacted] "Matthew M. Davis" <[redacted] Eric Rothstein [redacted] Laurence Reynolds [redacted]
Cc: Rich Baird <bairdr@michigan.gov>, "Madhu R. Anderson" <AndersonM30@michigan.gov>
Subject: Goals for Task Force

All:

Attached please find my thinking about what should be reviewed under each major goal...I am sure this is not complete and not wedded to any of this, but wanted to get this in front of everyone as you think about it yourself...

Just a reminder....please do something similar and send to Chris and I prior to end of today...also, your thoughts on agenda for Wed am at 10am...

I'm not up-to-speed on BaseCamp yet, so am doing it this way for now...

Thank you.

--

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: [redacted]
[redacted]

****
Electronic Mail is not secure, may not be read every day, and should not be used for urgent or sensitive issues

(DRAFT)
FLINT WATER ADVISORY TASK FORCE
AFTER-ACTION REVIEW

The Flint Water Task Force is an independent advisory panel appointed by Governor Rick Snyder charged with reviewing actions regarding water use and testing in Flint and with offering recommendations for future guidelines to protect the health and safety of all state residents.

The task force expects to summarize its work in a report to be presented to Governor Rick Snyder within ninety (90) days.

GOALS

The Flint Water Task Force's goals are as follows:

- Complete a thorough review of all steps taken by state and local officials regarding the decision to switch the City of Flint's water source to the Flint River from the Detroit Water and Sewerage Department's system (DWSD).
  - Produce a timeline of actions
    i. Include in this timeline the activity and information provided by individuals and entities "outside" of government, such as those by Marc Edwards, Dr. Mona Hanna-Attisha, and others.
    ii. Also include in the timeline: when the decision had been made to use DWSD water (ie, for how long had Flint used DWSD); whether there had been previous concerns raised about water quality/safety in Flint with DWSD as source
  - Establish why each action was taken
    i. Were decisions and actions based on adequate and relevant information? If not, why not?
    ii. Who was responsible for making decisions about the switch to Flint River? Were there other individuals who should have been involved who were not?
    iii. Were there individuals who were involved in the decision to switch to the Flint River who should not have been?
    iv. If decisions and actions were wrong, why were they wrong?
  - What steps *could* have been taken that might have preventing the problem from occurring?
  - Are there examples from other cities (eg, District of Columbia) that could/should have provided guidance or cautionary tales? If yes, were there indications that personnel involved in the switch to Flint River were aware of such examples?
  - Did "early warning signs" occur that were either ignored or simply not viewed as reasons for concern?

Formatted

Formatted

Deleted: .

- If "early warning signs" were observed – who observed them and to whom were they reported? Were such signs part of routine surveillance or ad hoc surveillance/measurements?
- Was there a way to test the switch to the Flint River as a drinking water source, including testing at the faucet, prior to full implementation?
- The preceding question presumes that there may be protocols in place to test water at its source and also at its destination – did such protocols exist in Flint with the switch to Flint River? If yes, were they followed and what was found; and if they exist but were not followed, why not?
- What was the status of the Flint Water Treatment Plant prior to the switch? Was it being utilized? Sitting idle? What is current status of the plant, now that switch has been made back to DWSD?

- Review the roles of the federal, state, and local officials in the decision-making process
  - Is it clear who is responsible to ensure safe drinking water?
  - Is it clear what should be done and by whom in certain situations – eg, when water sources are changed? when concerns are raised about water safety/purity?
  - Identify best practices for federal, state, and local officials to work together in future similar situations
  - Identify existing responsibility / accountability across different agencies within government levels (federal, state, local) vis-à-vis HEALTH (eg, MDHHS) versus WATER QUALITY/SAFETY (eg, MDEQ)
  - Evaluate where coordination between these entities could have been better, and how it could be improved
  - How did the hybrid local/state model of decision-making in Flint under a state-appointed emergency manager affect the responsiveness and decision-making regarding the Flint River?
  - Evaluate federal, state, and local response to other entities and individuals who were testing Flint drinking water in substance, timing, and tone
  - What would have happened—if anything—if private testing had not been done and results made public or shared with public entities?
  - Ask and evaluate the following question: "Even if "best practices" were utilized and good coordination between federal, state, and local officials had taken place, would the problem likely have occurred anyway because of inadequate law and/or regulations?
  - Have other cities in the United States experienced similar problems? How did they address them? Can we learn from these other experiences?

- Review federal, state, and local actions, protocols, and laws
  - Determine whether the proper procedures were followed
  - Assuming proper procedures were not followed….if they had been followed, would the problem have been prevented?
  - Where proper EXISTING procedures WERE followed … were there gaps in implementation, surveillance, and/or response?
  - Identify which procedures should be changed

Deleted:

Formatted: Font: (Default) Arial, 12 pt

Comment [MD1]: I agree with Ken that this is a KEY question

Deleted: and

- Identify where federal/state/local law related to drinking water is inadequate to protect public health
    i. For example, do public water supplies "meet" federal and state drinking water standards based on testing when water leaves the treatment plant versus at the point at which people actually drink it—i.e., from the faucet?
    ii. What is the Lead and Copper Rule?
        1. How often has Lead and Copper Rule been updated? When was most recent update?
        2. Is it clear and understandable?
        3. Are testing methods clear? Are there more than one? If more than one, why?
        4. Do tests take too long in terms of when and how often they are done? If yes, what remedies exist to address the need for a) more rapid processing, b) more frequent sampling, c) safeguarding human health while testing is being completed?
        5. Do any states/local governments have different—i.e., tougher—standards? Had such standards been considered for Flint? if yes, why were they not implemented? If no, why not?
    iii. Is there scientific/engineering/public health dispute as to best approach to ensuring safe drinking water?

Formatted

Formatted

Formatted

Formatted: Font: (Default) Arial, 12 pt

- Monitor and review the process, procedures, and protocols being followed as the City of Flint returns to the DWSD system
    - Ensure that proper corrosion controls and testing are in place
        i. Is it clear what constitutes "proper" corrosion control? Is "proper" corrosion control the same as "optimized" (current EPA language) corrosion control?
        ii. Is "optimized" a measure of corrosion (ie, in the water flowing through the pipes) or of the impact on human health?
        iii. How long will such corrosion control be utilized?
        iv. What monitoring is currently in place for potential impact of the corrosion control on human health in Flint?
    - Highlight the appropriate actions that the City of Flint should follow when the future switch is made to the Karegnondi Water Authority's system
    - i. Which components of the local/state/federal plans for monitoring water safety/quality and impact on human health after the switch back to DWSD are appropriate for any future switches in water source (including planned switch to Karegnondi)?
    - ii. Are there modifications to the current local/state/federal steps that would be appropriate for future switches in water source, in the judgment of this task force?

Formatted

- Assess future practices
    - Highlight practices that should change for communities in similar situations

- Recommend changes in law, procedure, or practice to ensure all Michiganders are drinking safe water

- Is Flint an indication of wider drinking water infrastructure problems in Michigan?
- Are there communities in MI that regularly perform corrosion control on their water supply?
- Does MDEQ regularly perform (or require local water authorities to perform) assessments of the quality of local water for human consumption?
- Does MDHHS or MDEQ regularly perform (or require local water or health authorities to perform) assessments of water from the tap in homes within their jurisdictions?
- Does MDHHS or MDEQ regularly perform (or require local water or health authorities to perform) assessments of water from fountains in schools (especially elementary schools) within their jurisdictions?
- Does the task force have recommendations regarding routine testing of Michigan children for lead? If yes, do such recommendations match federal and state recommendations – and if not, how would the task force recommend modifying the existing recommendations?

Formatted

Formatted: Font: (Default) Arial, 12 pt

Formatted: Normal, No bullets or numbering

From: Ken Sikkema [redacted]
Sent: Tuesday, October 27, 2015 12:04 PM
To: Chris Kolb; Eric Rothstein; Matt Davis; Lawrence Reynolds
Cc: Baird, Richard (GOV); Weber, Travis (GOV); Wyant, Dan (DEQ); Anderson, Madhu (DEQ)
Subject: Suggested Agenda for 10-28-15 meeting
Attachments: Agenda 10-28-15.docx

All:

See attached for a suggested agenda...any suggestions are welcome...we can also review at beginning of meeting for any changes...I'm thinking 2 hour meeting...

--

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
[redacted]

Flint Water Task Force

October 28, 2015

10:00-12:00

1. Review Agenda

2. Open Meetings Act and FOIA

   Travis Weber—Governor's Office

3. Review Goals, Questions, Work Plan

   Q. What Represents "Success" to each of us? (Per Matt Davis)

   Q. Review of comments, questions and suggestions submitted by Task Force members

   - Eric Rothstein's Framework
   - Dr. Reynolds Questions
   - Ken Sikkema Questions

   Q. Calendar—i.e., work schedule

4. Other federal, state, and local assessments—how to coordinate, utilize, and complement? Does this Task Force have a unique role?

5. Logistics of Task Force
   - Minutes
   - Meetings
   - Other?
6. Basecamp Orientation

From: Murray, David (GOV)
Sent: Thursday, November 26, 2015 12:47 PM
To: Baird, Richard (GOV)
Cc: Ken Sikkema
Subject: RE: You may want to invite this lady to your 12/2 meeting to show her your task force is transparent

Absolutely. Whatever the task force wants. Happy to help.

Can I get some of the specifics about what it wants me to convey?

From: Baird, Richard (GOV)
Sent: Thursday, November 26, 2015 12:43 PM
To: Murray, David (GOV) <MurrayD1@michigan.gov>
Cc: Ken Sikkema [redacted]
Subject: Fwd: You may want to invite this lady to your 12/2 meeting to show her your task force is transparent

Could we get some social media support for this if Task Force sees it as advisable? Dec. 2.

Rich

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: Lawrence Reynolds [redacted]
Date: Nov 26, 2015 9:03 AM
Subject: Fwd: You may want to invite this lady to your 12/2 meeting to show her your task force is transparent
To: Base Camp Email [redacted] "Scorsone, Eric" [redacted] Chris Kolb [redacted] Ken Sikkema [redacted] Matt Davis [redacted] Eric Rothstein [redacted] ,"Baird, Richard (GOV)" [redacted]
Cc:

Happy Thanksgiving all.Looks like there is sneed for a media update.
You may hear some grumbles about the pre-registration requirement for the Listening Session 12/2 at Mott.This was based on logistical considerations - availability, cost, safety and secure parking.Also , to give 40 people 2-3 minutes to speak will require 80-120 minutes time and this does not lend itself to an open town hall meeting format if we are going to effectively listen to and discuss with participants.
I would suggest that we use funds to record and transcribe these session and a video of it be available on a website ,open to the public.See below.
We will need some help with hosting ,identifying speakers, bringing the microphone to them , registration , etc .Would this be a role for MSU ? This group should make an effort to reflect the diversity of Flint.
For video recording ,consider Paul Herring , SpectacleProductions, 405 University Blvd ,Flint, [redacted] cell [redacted] office www.spectacleproductions.com .
If we have more registrants than space , we can put them on the list for subsequent meetings which must occur in a timely manner.
If we consider other sites, consider the requirements for public buildings in regard to open meetings.

It may be time to officially contact Mayor Weaver about our plans and suggest to the Governor that we need an official representative to clarify our role and our intent to not conflict with the Mayor's public meetings.Perhaps , we need to be available to attend some of her meetings to listen also.
Finally, our electrical power was shut off for maintenance that had to be completed before freezing weather so phones and computers were down. We will be open for business Monday 12/30.
We are operating on a tight timeline and will need more resources and some media support to reflect the Governor's concern adequately to the citizens of Flint.

---------- Forwarded message ----------
From: **Lawrence Reynolds** <[redacted]>
Date: Thursday, November 26, 2015
Subject: You may want to invite this lady to your 12/2 meeting to show her your task force is transparent
To: Kirk Smith <ksmith@flint.org>

I agree with most of her statements and I hope her organization will vigorously share their position with the Governor and the legislature.It is true that the Flint Water Advisory Task Force has a much more limited scope as an advisory body and has no legal authority.I hope Common Cause will also do a legal analysis of the emergency manager laws ,policies ,and procedure and inform the public.

On Wednesday, November 25, 2015, Kirk Smith <ksmith@flint.org> wrote:

> Here is a link to her phone number:
>
> http://www.commoncause.org/states/michigan/about/staff-directory/
>
> Sorry for the duplicate emails, I just don't like how she lumped you and your task force into the "other" bucket.
>
> ---
>
> **From:** Kirk Smith <ksmith@flint.org>
> **Date:** Wednesday, November 25, 2015 at 11:54 AM
> **To:** Lreynolds <[redacted]>
> **Subject:** You may want to invite this lady to your 12/2 meeting to show her your task force is transparent
>
> See the link:
>
> http://www.mlive.com/opinion/index.ssf/2015/11/whats_behind_state_government.html#incart_river_home
>
> I can't imagine she picked up the phone to call you or the other four people before she wrote this?
>
> Kirk

--
Lawrence Reynolds

--
Lawrence Reynolds

From: Murray, David (GOV)
Sent: Thursday, November 26, 2015 12:53 PM
To: Baird, Richard (GOV)
Subject: RE: You may want to invite this lady to your 12/2 meeting to show her your task force is transparent

Happy to help. We promised full cooperation.

From: Baird, Richard (GOV)
Sent: Thursday, November 26, 2015 12:51 PM
To: Murray, David (GOV) <MurrayD1@michigan.gov>
Cc: Ken Sikkema [redacted]
Subject: RE: You may want to invite this lady to your 12/2 meeting to show her your task force is transparent

I think they need videographer and editing for future posting. Larry's request has not yet been discussed by the TF which is why I only cc'd chair Sikkema.

Sent from my Verizon Wireless 4G LTE DROID
On Nov 26, 2015 11:46 AM, "Murray, David (GOV)" <MurrayD1@michigan.gov> wrote:

> Absolutely. Whatever the task force wants. Happy to help.
>
> Can I get some of the specifics about what it wants me to convey?
>
> **From:** Baird, Richard (GOV)
> **Sent:** Thursday, November 26, 2015 12:43 PM
> **To:** Murray, David (GOV) <MurrayD1@michigan.gov>
> **Cc:** Ken Sikkema <[redacted]>
> **Subject:** Fwd: You may want to invite this lady to your 12/2 meeting to show her your task force is transparent
>
> Could we get some social media support for this if Task Force sees it as advisable? Dec. 2.
>
> Rich
>
> *Sent from my Verizon Wireless 4G LTE DROID*
>
> ---------- Forwarded message ----------
> From: Lawrence Reynolds <[redacted]
> Date: Nov 26, 2015 9:03 AM

Subject: Fwd: You may want to invite this lady to your 12/2 meeting to show her your task force is transparent
To: Base Camp Email <[redacted],"Scorsone, Eric" [redacted],Chris Kolb [redacted],Ken Sikkema [redacted]Matt Davis <[redacted]Eric Rothstein <[redacted] [redacted]'Baird, Richard (GOV)" <bairdr@michigan.gov>
Cc:

Happy Thanksgiving all.Looks like there is sneed for a media update.

You may hear some grumbles about the pre-registration requirement for the Listening Session 12/2 at Mott.This was based on logistical considerations - availability, cost, safety and secure parking.Also , to give 40 people 2-3 minutes to speak will require 80-120 minutes time and this does not lend itself to an open town hall meeting format if we are going to effectively listen to and discuss with participants.

I would suggest that we use funds to record and transcribe these session and a video of it be available on a website ,open to the public.See below.

We will need some help with hosting ,identifying speakers, bringing the microphone to them , registration , etc .Would this be a role for MSU ? This group should make an effort to reflect the diversity of Flint.

For video recording ,consider Paul Herring , SpectacleProductions, 405 University Blvd ,Flint, [redacted]cell [redacted]office

www.spectacleproductions.com .

If we have more registrants than space , we can put them on the list for subsequent meetings which must occur in a timely manner.

If we consider other sites, consider the requirements for public buildings in regard to open meetings.

It may be time to officially contact Mayor Weaver about our plans and suggest to the Governor that we need an official representative to clarify our role and our intent to not conflict with the Mayor's public meetings.Perhaps , we need to be available to attend some of her meetings to listen also.

Finally, our electrical power was shut off for maintenance that had to be completed before freezing weather so phones and computers were down. We will be open for business Monday 12/30.

We are operating on a tight timeline and will need more resources and some media support to reflect the Governor's concern adequately to the citizens of Flint.

---------- Forwarded message ----------
From: **Lawrence Reynolds** <[redacted]
Date: Thursday, November 26, 2015
Subject: You may want to invite this lady to your 12/2 meeting to show her your task force is transparent
To: Kirk Smith <[redacted]>

I agree with most of her statements and I hope her organization will vigorously share their position with the Governor and the legislature.It is true that the Flint Water Advisory Task Force has a much more limited scope as an advisory body and has no legal authority.I hope Common Cause will also do a legal analysis of the emergency manager laws ,policies ,and procedure and inform the public.

On Wednesday, November 25, 2015, Kirk Smith <ksmith@flint.org> wrote:

Here is a link to her phone number:

http://www.commoncause.org/states/michigan/about/staff-directory/

Sorry for the duplicate emails, I just don't like how she lumped you and your task force into the "other" bucket.

From: Kirk Smith <ksmith@flint.org>
Date: Wednesday, November 25, 2015 at 11:54 AM
To: Lreynolds <[redacted]
Subject: You may want to invite this lady to your 12/2 meeting to show her your task force is transparent

See the link:

http://www.mlive.com/opinion/index.ssf/2015/11/whats_behind_state_government.html#incart_river_home

I can't imagine she picked up the phone to call you or the other four people before she wrote this?

Kirk

--
Lawrence Reynolds

--
Lawrence Reynolds

From: Murray, David (GOV)
Sent: Thursday, December 03, 2015 10:43 PM
To: Baird, Richard (GOV)
Subject: FW: ACTION NEEDED on Flint water documents

Sorry I left you off the list on this one, Rich. I'll make sure you get anything Flint related here on out.

From: Clement, Elizabeth (GOV)
Sent: Thursday, December 03, 2015 9:47 PM
To: Murray, David (GOV) <MurrayD1@michigan.gov>
Subject: Fwd: ACTION NEEDED on Flint water documents

Can you make sure Rich gets all things flint water related?

Thanks!!

Sent from my iPhone

Begin forwarded message:

> **From:** "Baird, Richard (GOV)" <bairdr@michigan.gov>
> **Date:** December 3, 2015 at 5:21:23 PM EST
> **To:** "Clement, Elizabeth (GOV)" <clemente@michigan.gov>
> **Subject: Re: Fwd: ACTION NEEDED on Flint water documents**
>
> I would like to be on dist. list. Thanks.
>
> *Sent from my Verizon Wireless 4G LTE DROID*
> On Dec 3, 2015 2:39 PM, "Clement, Elizabeth (GOV)" <clemente@michigan.gov> wrote:
>
> > Do you want to be on these emails or do you prefer I forward them separately to you? Trying to be respectful of your role with the after action team.
> >
> > Sent from my iPhone
> >
> > Begin forwarded message:
> >
> > > **From:** "Murray, David (GOV)" <MurrayD1@michigan.gov>
> > > **Date:** December 3, 2015 at 12:43:51 PM EST
> > > **To:** "Snyder, Rick (GOV)" <[redacted]>
> > > **Cc:** "Scott, Allison (GOV)" <scotta12@michigan.gov>, "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>, "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>
> > > **Subject: ACTION NEEDED on Flint water documents**
> > >
> > > Good afternoon Governor,

Sorry for the quick turnaround time on this, but DHHS is hoping to issue the release this afternoon to avoid issuing news on Friday. The DHHS team has answered the questions and made significant revisions to the press release at my request. I think this is far more reader friendly and people focused.

Here are the specific answers to the questions:

Do the elevated lead levels stick with a person for life?

We do see blood lead levels decrease after education takes place and exposure to lead sources is reduced. The purpose of screening children for lead is to identify those with elevated levels. Removing potential sources of lead exposure and ensuring proper nutrition and healthcare leads to decreases in blood lead levels in follow-up testing, which is an important part of case management. Lead has a half-life in blood of approximately 25 days; in soft tissue, about 40 days; and in the non-labile portion of bone, more than 25 years.

Why do the lead levels spike on a seasonal basis?

When reviewing historical trend data, the risk of lead exposure is highest during the third quarter of each year – July through September. Seasonal variation is the result of a number of factors including increased exposure to lead in dust and soil in the summer months.

DHHS is requesting to issue this at 2 p.m. with Dr. Wells available to answer questions.

Thank you for your consideration.

Dave

The notifications will be timed as follows:

1:30 p.m.

- Send final embargoed release and summary report to:
    - Genesee County Health Department – Geralyn Lasher
    - Dr. Mona Hannah-Attisha – Geralyn Lasher
    - Task Force Members – Geralyn Lasher
    - City of Flint Mayor's Office – Geralyn Lasher
    - Congress and legislature – Elizabeth Hertel

2 p.m.

- Issue press release and summary report
- Post press release and summary report to MDHHS website newsroom and Flint Water website, www.michigan.gov/flintwater

Please let me know if you have any additional questions, edits or concerns.

Thank you,

Jennifer Eisner

Public Information Officer

Michigan Department of Health and Human Services

Office: 517-241-2112 or EisnerJ@michigan.gov

Cell: [redacted]

From: [redacted]
Sent: Thursday, December 10, 2015 12:35 PM
To: Baird, Richard (GOV)
Subject: RE: Fwd: FWATF Proposal

Thanks. I have some questions on what you sent. Should I contact Capt. Kelenske?

Chris De Witt
De Witt Communications
P.O. Box 4952
East Lansing, MI 48826
517-339-1700 office
[redacted] cell

-------- Original Message --------
Subject: Fwd: FWATF Proposal
From: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Date: Thu, December 10, 2015 11:28 am
To: Chris De Witt <[redacted]

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov>
Date: Dec 10, 2015 10:50 AM
Subject: FWATF Proposal
To: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Cc: "Etue, Kriste (MSP)" <EtueK@michigan.gov>,"Clement, Elizabeth (GOV)" <clemente@michigan.gov>,"Gorski, Gary (MSP)" <GorskiG@michigan.gov>

Rich

I have located $25,000 to assist in paying for the FWATF communications needs. I would like added to the scope of work for them to update the Local Emergency Operations Support Plan (Pub 204) and train and exercise the plan with appropriate personnel. I attached the template we provide locals to use in developing the plan. Flint has a plan in place but with everything going on and based on interactions recently I am not convinced it is followed or if they even know about it. I am certain the new Mayor is not aware of the Local Support Plan.

Please let me know if you need additional on this or have questions.

Chris

Capt. Chris A. Kelenske

Deputy State Director/Commander

Emergency Management and Homeland Security Division

Michigan State Police

4000 Collins Road

Lansing, MI 48910

(517) 333-5042

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY."

[cid:image001.png@01D06AF2.CCC978D0]<http://www.mi.gov/mspjobs>;

From: Meegan Holland <[redacted]
Sent: Wednesday, December 23, 2015 8:10 PM
To: Baird, Richard (GOV)
Subject: Re: Role
Attachments: DRAFT flint water communicatios plan.docx

Here is a rough draft of a communications plan for the next several days. I came up with what may be a bizarre idea - creating a Healthy Water communications team (potentially made up of Ron and Mel). You'll see it addressed in the plan. It'll temporarily fill the vacuum left by Brad and circumvent, frankly, the team in place at DHHS. Dave and I have tried to humanize their press releases, to little avail. What ends up going out is jargonish and institutional. The Healthy Water team would free the DHHS staff up to message on issues other than Flint water, yet Ron and Mel would still work with them to ensure accuracy.

I'm not easily offended, Rich, so if you think this plan is hooey or it's not what you need, let me know and I'll take another shot.

- Meegan

On Wed, Dec 23, 2015 at 4:51 PM, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Date: Dec 23, 2015 1:04 PM
Subject: Role
To: "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
Cc:

--
Meegan Holland
Mobile: [redacted]
Twitter: @meholland

DRAFT: FLINT WATER PLAN

Thursday, Dec. 24: Gov. calls Karen Weaver to set up a meeting

Talking points:

I've read the draft of a report from the state's Office of the Auditor General and I've been briefed on the task force's progress in its ongoing investigation.

I want to work together with you to get this problem solved. As partners, we can get resources in place more quickly.

I want to assure you this isn't a political move on my part – I'm a problem solver and I want to make this right. I'm truly sorry that all this has happened.

It sounds like you have a block of time available on the morning of Jan. 7. Would you be able to come to Lansing so we could talk between 9-10 a.m.? If so, I'll make sure Beth Emmitt, my scheduler, confirms with Maxine Murray.

Saturday, Dec. 26, or Monday, Dec. 28: RB and others start organizing action plan

- RB talks to Nick Lyon and Dan Wyant about messaging changes and embedding a healthy water communications team – potentially Mel Brown and Ron Leix. This duo would work with those departments' respective communications teams, but also free up those teams to work on other issues not related to Flint water. The healthy water team would be the point people for anything concerning Flint water and lead issues, and will have the authority to assist Harvey Hollins, cut red tape for researchers who want access to DHHS and DEQ records, respond to media requests, edit and/or write press releases in conjunction with the Governor's communications team and more.
- RB explores with Dan whether the in-house choice to take over the Office of Drinking Water and Municipal Assistance is the appropriate choice.
- RB or someone else talks to Steve Arwood and Col. Etue about "borrowing" Mel and Ron. We need to get the ball rolling. I'd love to put them out there at the January presser saying, "These are the folks who will answer questions and provide information to media and stakeholders about the Flint water crisis."

Monday, Dec. 28, or Tuesday, Dec. 29: Harvey Hollins reaches out to researchers

Harvey Hollins reaches out to Marc Edwards and Dr. Mona Hanna-Attisha to serves on a task force that includes the state and independent water experts who have worked on Flint water issues. The purpose is to share information, compare results and track how those results were reached to ensure best practices and accurate reporting.

Talking points for Hollins in his ask of Edwards and Hanna-Attisha:

- Your research has been eye opening and we're hoping you'll be willing to join an effort to ensure Flint's water is safe.
- We'd like you to sit down with state epidemiologists and other researchers so you can discuss lead levels and other issues related to the Flint water crisis. There have been variances and we want to be as accurate as possible.

- We want you to have as much access to our data as is possible under HIPPA laws so we can determine the extent of the problem.
- We want the team to brainstorm ways to get Flint's water back to safe levels for drinking, and to help families learn how they can mitigate any effects from lead.
- Once the water is safe, we want your help in showing the people of Flint that their water is drinkable.

In addition, Capt. Chris Kelenske explores ways to help Flint, including the idea of an imminent danger declaration. Has MSHDA explored HUD grants to help families who need to upgrade their service lines?

Tuesday, Dec. 29: Governor releases statement on Flint water

"I've been briefed on the recent meeting of the task force studying the Flint water situation and I've read the report from the Office of the Auditor General on the processes used by DEQ to monitor Flint water.

"While DEQ followed many of the appropriate protocols, it's not surprising at this point to learn that corrosion controls should have been maintained when switching from Detroit to Flint River water. I've talked with DEQ Director Wyant and have told him I want Michigan to be the state that is known for the safest water in the nation.

"I want to thank the task force for keeping me apprised of their continuing investigation. As they uncover more facts, it's clear to me we can do better. The report may take another month or so, but if we need to make changes more swiftly, I plan to take immediate action.

"The bottom line is we'll take responsibility for our part in Flint's water crisis. Moving forward, I vow to make sure that Flint citizens will have safe drinking water. And I'm so very sorry that this happened.

"But I know an apology isn't enough. We've already allocated $10 million to test the water, distribute water filters, mitigate high lead levels in affected families and inspect plumbing in schools and health facilities.

"I called Flint Mayor Karen Weaver last Thursday, and we're going to sit down in the next week to discuss other ways the state can best offer help.

"What happened in Flint is inexcusable. I want to assure the residents of Flint that we will work hard to make things right."

Monday, Jan. 4 – Personnel changes

Dave Murray talking point: "I can't speak to the specifics, but yes, there have been changes in personnel at the DEQ. We'll announce soon who you can contact to get information about Flint's water situation. For now, you can call me."

Thursday, Jan. 7 – Meeting between the Governor and Mayor Karen Weaver

Governor's talking point: "We had a great meeting today. Mayor Weaver had some great ideas that we want to flesh out. We'll announce soon how we plan to move forward in solving the problems with Flint water."

Possibly Jan. 11 or 13 - Press conference with the Governor and Mayor Weaver to announce action plan

Also in attendance: Point person Harvey Hollins, Directors Nick Lyons and Dan Wyant, Capt. Chris Kesenske, Healthy Water communications team Mel Brown and Ron Leix, Sen. Jim Ananich, Rep. ???, Marc Edwards?, Dr. Mona Hanna-Attisha, who else?

Talking points:

Weaver announces more state money to help Flint and how she looks forward to working with Harvey Hollins.

Harvey talks about how he'll be the boots on the ground in Flint and will coordinate with Lansing resources.

Gov. Snyder reiterates his sadness over the situation and says it calls for extraordinary measures, which the state is prepared to make:

- The state will form a team of independent and state water and lead level experts to go over the various results. The team will include Virginia Tech's Marc Edwards and Hurley Hospital's Dr. Mona Hanna-Attisha, along with state epidemiologists, DEQ experts, etc.
- The team will have full access to DEQ and DHHS records.
- Mel Brown and Ron Leix will be the Healthy Wat4er team and serve as point people for all things Flint water and lead levels. Their roles will be explained.
- The state is exploring the best options to provide more help for Flint, including an imminent danger declaration, HUD community block grants for infrastructure improvements, etc.
- We will document what we learn from this experience to help other cities with water/lead issues.

From: Holland, Meegan (GOV)
Sent: Thursday, December 24, 2015 10:48 AM
To: Baird, Richard (GOV)
Subject: RE: Today's Briefing
Attachments: DRAFT Flint water communications plan.docx

It occurs to me - should he also receive the communications plan we've been working on? I've sent you an updated one (with the revised statement).

-----Original Message-----
From: Baird, Richard (GOV)
Sent: Thursday, December 24, 2015 10:24 AM
To: Snyder, Rick (GOV) <[redacted]> Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Holland, Meegan (GOV) <HollandM2@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>
Subject: Today's Briefing

Sorry for the late submission. Been trying to work this issue across various stakeholder groups and balance holiday commitments. Our Agenda (with Harvey adding under "Other":

1. Review HH Role and Responsibility as confirmed with FAATF (attachment (with some revision since meeting)

2. Other AATF Issues

a) schedule a conference call with Governor outlining current status

b) follow up with a letter discussing DEQ and leadership culture findings

c) Imminent Danger Declaration request

d) Concerns with Leadership appointments about to be made and DHHS recent responses/findings

e) Shared confidential plan relative to January 4 personnel actions

3. Discuss communications strategy as envisioned by MH, JA and RB last night (Meegan will be on call--Maybe Jarrod too busy not sure about yet)

4. Other (Harvey Hollins will deal with anything I missed)

DRAFT: FLINT WATER PLAN

Thursday, Dec. 24: Gov. calls Karen Weaver to set up a meeting

Talking points:

"I've read the draft of a report from the state's Office of the Auditor General and I've been briefed on the task force's progress in its ongoing investigation.

"I want to work together with you to get this problem solved. As partners, we can get resources in place more quickly.

"I want to assure you this isn't a political move on my part – I'm a problem solver and I intend to be your partner in addressing this to make it right. I'm truly sorry that all this has happened.

"I have some ideas on how to get more resources for blood lead level testing and remediation – financial as well as state personnel, and I'd like to discuss those with you.

"It sounds like you have a block of time available on the morning of Jan. 7. Would you be able to come to Lansing so we could talk between 9-10 a.m.? If so, I'll make sure Beth Emmitt, my scheduler, confirms with Maxine Murray."

Saturday, Dec. 26, or Monday, Dec. 28: Getting organized

We need to get the ball rolling on creating a healthy water communications team – potentially Mel Brown of TED and Ron Leix of MSP's Emergency Management and Homeland Security Division. Both are genuine and empathetic, and can convey information in a reassuring way.

This duo would work with DHHS' and DEQ's respective communications teams, but also free up those teams to work on other issues not related to Flint water. The healthy water team would be the point people for anything concerning Flint water and lead issues, and will have the authority to assist Harvey Hollins, cut red tape for researchers who want access to DHHS and DEQ records, respond to media requests, edit and/or write press releases in conjunction with the Governor's communications team and more.

Rich Baird or another appropriate person needs to discuss with Steve Arwood and Col. Etue about "borrowing" Mel and Ron. We would like to introduce these two at the January press conference with the Governor and Mayor Weaver, saying, "These are the folks who will answer questions and provide information to media and stakeholders about the Flint water crisis."

Monday, Dec. 28, or Tuesday, Dec. 29: Asking researchers for help

Nick Lyon reaches out to Virginia Tech researcher Marc Edwards and Hurley Hospital's Dr. Mona Hanna-Attisha to help state lead and water experts who have worked on Flint's issues. The purpose is to share information, compare results and track how those results were reached to ensure best practices and accurate reporting.

We'd ask this of Edwards and Hanna-Attisha:

- Your research has been eye opening and we're hoping you'll be willing to join an effort to ensure Flint's water is safe.

- We'd like you to sit down with state epidemiologists and other researchers so you can discuss lead levels and other issues related to the Flint water crisis. There have been variances and we want to be as accurate as possible.
- We want you to have as much access to our data as is possible under HIPPA laws so we can determine the extent of the problem.
- We want the team to brainstorm ways to get Flint's water back to safe levels for drinking, and to help families learn how they can mitigate any effects from lead.
- Once the water is safe, we want your help in showing the people of Flint that their water is drinkable.
- If you're willing to help, we'd like to announce this at a press conference in January and would love to have you both attend, if possible.

In addition, Capt. Chris Kelenske and/or Nick Lyon need to explore more ways to help Flint, including the idea of an imminent danger declaration. *Has MSHDA explored HUD grants to help families who need to upgrade their service lines? Are there other resources we can draw from?*

Tuesday, Dec. 29: Governor releases statement on Flint water

This statement is meant to manage expectations on the timing of the report (probably another month at least) and to signal that action may come sooner than that (the Jan. 4 changes and those to be announced at the press conference).

"I've been briefed on the recent meeting of the task force studying the Flint water situation and I've read the report from the Office of the Auditor General on the processes used by DEQ to monitor Flint water.

""The bi-partisan task force has worked tirelessly to interview Flint, Genesee County, state and federal officials to complete its independent analysis. They are reviewing hundreds of documents at all levels of government and from the public health science community.

"I'd like to thank the task force for keeping me apprised of their continuing investigation. As they uncover more facts, it's clear to me we can do better. Their report may take another month or so, but if we need to make changes more swiftly, I plan to take immediate action.

"No matter what the testing requirements were, they were not enough to prevent this crisis. I want Michigan to be the state that is known for the safest water in the nation.

""When it comes to matters of health and quality of life, there is simply no room for error in testing for lead and other toxins. I understand there can be disagreements within the scientific community. That is why I have told my directors at MDEQ and DHHS to invite every external scientist who has worked on the Flint water issue to the state laboratory facilities to work as partners with us. Together, we should be able to affirm that we're using the very best testing protocols to ensure Flint residents have safe drinking water and that we're doing proper monitoring and remediation of blood levels and other health impacts over the long term.

"I want the Flint community and all citizens of Michigan to know how very sorry I am that this has happened.

"But I know an apology isn't enough. We've already allocated $10 million to test the water, distribute water filters, and help in other ways. On Thursday, I called Flint Mayor Karen Weaver, and we're going to sit down in the next week to discuss other ways the state can offer assistance.

"What happened in Flint is inexcusable. I want to assure residents there that we will work hard to make things right."

Monday, Jan. 4 – Personnel changes

Dave Murray talking point: "I can't speak to the specifics, but yes, there have been changes in personnel at the DEQ. We'll announce soon who you can contact to get information about Flint's water situation. For now, you can call me."

Thursday, Jan. 7 – Meeting between the Governor and Mayor Karen Weaver

Governor's talking point: "We had a great meeting today. Mayor Weaver had some great ideas that we want to flesh out. We'll announce soon how we plan to move forward in solving the problems with Flint water."

Possibly Jan. 11 or 13 - Press conference with the Governor and Mayor Weaver to announce action plan

Also in attendance: Point person Harvey Hollins, Directors Nick Lyons and Dan Wyant, Capt. Chris Kelenske, Healthy Water communications team Mel Brown and Ron Leix, Sen. Jim Ananich, Rep. ???, Marc Edwards?, Dr. Mona Hanna-Attisha, who else?

Talking points:

Weaver announces more state money to help Flint and talks about how she's encouraged by the Governor's action plan and looks forward to working with Harvey Hollins.

Harvey briefly describes his role – as the boots on the ground in Flint and the coordinator for state resources.

Gov. Snyder reiterates his sadness over the situation and says it calls for extraordinary measures, which the state is prepared to make:

- The state will form a team of independent and state water and lead level experts to go over the various results. The team will include Virginia Tech's Marc Edwards and Hurley Hospital's Dr. Mona Hanna-Attisha, along with state epidemiologists, DEQ experts, etc.
- The team will have full access to DEQ and DHHS records.
- Mel Brown and Ron Leix will be the Healthy Water team and serve as point people for all things Flint water and lead levels.
- The state is exploring the best options to provide more help for Flint, including an imminent danger declaration, HUD grants for infrastructure improvements, etc.
- We will document what we learn from this experience to help other cities with water/lead issues.

From: Mark Henne <mark.henne@henneenv.com>
Sent: Tuesday, December 29, 2015 4:35 PM
To: [redacted]Baird, Richard (GOV)
Subject: Offer to help in solving problems within MDEQ
Attachments: Mark Henne Resume - Hydrogeologist, Environmental Consultant, Attorney.pdf

Hi Rich,

I've been watching from the sidelines as the water problems in Flint have unfolded. If I can help you and the Governor in solving the issues at the MDEQ, please don't hesitate to contact me. I'm attaching my resume so that you have some understanding about my capabilities.

Thanks,

Mark

Mark S. Henne, M.S., J.D.
Environmental Consultant, Hydrogeologist and Attorney
5070 Barton Road
Williamston, MI 48895 USA

Office 517-655-1104
[redacted]
Fax 855-837-9515

Mark S. Henne, M.S., J.D.

Executive-Level Business Leader, Environmental Compliance Expert, Hydrogeologist, Environmental Chemist & Attorney

5070 Barton Road
Williamston, MI 48895
[redacted]

EXECUTIVE PROFILE

- Executive Leadership
- Science, Law & Finance
- Vision, Strategy & Execution
- Team Leader and Consensus Builder
- Regulatory Compliance
- Global Work Experience
- Multi-cultural Sensitivity
- Bi-Lingual (English & German)
- Water Supply Development
- Hydrogeology Studies
- Environmental Impact Assessments

Senior environmental compliance specialist with success developing and directing programs involving complex environmental protection, technical, scientific, financial and legal issues.

Key member of management teams, and noted for ability to build consensus in team decision-making. Successful in leading organizations during times of prosperity and trouble.

Executive level experience as company founder and principal, bank director, District Governor for Rotary International, President of trade organization, and officer and director of multiple professional, service, and charitable organizations.

Trusted advisor for clients ranging from individuals to Fortune 500 corporations.

Senior hydrogeologist and environmental consultant with 35 years' experience designing, supervising the construction of, and testing production wells, monitoring wells and contaminant extraction wells. Significant experience in aquifer test data collection and analysis, and analysis of groundwater and contaminant migration in complex hydrogeologic environments.

Environmental chemist with academic and project-related experience assessing the fate and transport of contaminants in groundwater, surface water, and soil. Have investigated and overseen the cleanup of properties contaminated with heavy metals, petroleum compounds, industrial solvents, brine and road salt, PCBs, pesticides and herbicides, and radionuclides.

In-house attorney who uses skills to manage in-house risk, and ensure regulatory compliance.

Writer and public speaker who has authored more than 10,000 technical reports, environmental management plans, and business documents, and has spoken more than 200 times to audiences as large as 2,000 on technical and non-technical topics throughout the United States, Canada and Germany.

Risk manager in a high-risk industry for 35 years without threat of a lawsuit.

Fiscal manager who has helped ensure the financial health of for-profit consulting companies, a $300 million bank, and numerous non-profit organizations.

Crisis manager with experience working through organizational and employee issues such as embezzlement, substance abuse, and family crises.

Humanitarian who volunteers and uses unique knowledge and skills to lead and serve on teams charged with providing clean water and improving sanitation in developing countries.

PROFESSIONAL EXPERIENCE

HENNE ENVIRONMENTAL, Williamston, Michigan **Since 2013**
Hydrogeologist and Environmental Consultant

Solo-practice hydrogeologic and environmental consulting firm serving clients throughout the North America, and in Africa and Asia. Website: www.HenneEnv.com

Expert in hydrogeologic and environmental consulting with focus on risk studies, environmental compliance, groundwater supply studies, groundwater and soil contamination investigations, environmental site assessments, air quality studies, environmental compliance, risk management and litigation support.

DART BANK, Mason, Michigan **Since 2007**
Bank Director

90-year old bank in the Lansing, Michigan region with assets of $280 million. Website: www.dartbank.com

Member of nine-person Board of Directors, and Audit and Loan Review Committees, which are responsible for bank's financial performance, compliance with banking regulations, and establishing operational policies.

- Helped make critical decisions needed for bank to remain profitable during era characterized by large losses in banking industry.
- Member of key committees that improve bank's compliance with federal and state banking regulations.
- Provided important oversight of bank's lending activities which reduced underwriting risks and bad loan losses, and increased bank's profits.

PARSONS BRINCKERHOFF, Lansing, Michigan **2009 –2013**
Environmental Manager

A 13,000-person consulting and engineering firm with global operations. Website: www.pbworld.com

Manager of newly-established environmental consulting group that investigated and remediated properties with contaminated soil and groundwater, investigated environmental risk associated with large transportation projects, and developed environmental management plans to reduce risk for projects throughout the United States.

- Established new environmental consulting practice at company.
- Moved all members of environmental consulting team from former firm (Fitzgerald Henne) to new company.
- Transferred all on-going consulting relationships and projects from former to new firm.
- Exceeded group's overall sales goal for first year by more than 30 percent.
- Exceeded group's new-client sales goal by more than 100 percent.
- Expanded geographic service area, which had mostly been limited to the Midwest, into Utah, Maryland, New York, Virginia, Louisiana, Hawaii, and Guam.
- Increased diversity of projects to include major highway, high speed rail, urban rail, and other transportation projects.
- Authored master environmental management plans for projects with anticipated capital costs exceeding $6 billion.
- Provided opportunities for company's non-environmental groups to work for new clients on engineering projects with capital costs exceeding $5 billion.

FITZGERALD HENNE & ASSOCIATES, Lansing, Michigan **1992 –2008**
Founder, President, Vice President (rotating Presidency)

A medium-sized environmental consulting, engineering, and surveying firm based in Lansing, Michigan. Website: www.fitzhenne.com.

Founded and helped grow firm. Responsible for day-to-day operations of environmental consulting group that undertook simple ($1,000) to complex ($800,000) projects for corporate, governmental, individual and business clients. Significant technical focus on environmental risk management and regulatory compliance. As principal of firm, responsible for corporate management, financial monitoring, personnel management, corporate risk management, and insurance and banking relationships.

- Helped grow company from initial staff of four to staff of 32 with annual revenues of $2.8 million.
- Managed more than 800 projects to evaluate and test sites for contamination, clean up contaminated soil and groundwater, develop water supplies, and facilitate Brownfield development.
- Developed client base, 80 percent of which consisted of repeat clients.
- Developed expertise in interpreting complex environmental regulations in six-state service area.
- Led employee motivation and reward programs, resulting in less than 15 percent employee turnover per year.

STS CONSULTANTS, Lansing, Michigan **1990 – 1992**
Manager, Hydrogeology and Remediation Services

Midwest engineering firm bought by AECOM, a $6 billion international engineering company. www.stsltd.com

Responsible for marketing, staff management, project management, scheduling, and client retention.

- Managed 15-person department made up of entry- and mid-level staff.
- Oversaw all technical and marketing activities of environmental group in conducting $2,000 to $5,000,000 environmental studies for contaminated industrial and leaking underground storage tank (LUST) sites throughout Michigan.
- Successfully changed department from one in which single project generated 90% of revenues to one with diversified client base with nearly 100 projects, of which none was responsible for more than 10% of department revenues.
- Marketing activities made firm fourth largest supplier of environmental consulting services in Michigan.
- Led team of environmental managers in company's other offices in developing company-wide standards for emerging environmental site assessment practice area.

FISHBECK, THOMPSON, CARR & HUBER, Grand Rapids, Michigan **1983-1990**
Senior Hydrogeologist

Privately held, 320-employee engineering, architectural, and environmental firm. www.ftch.com

Senior hydrogeologist responsible for technical and financial management of hydrogeological and environmental projects, and marketing environmental services.

- Started as staff hydrogeologist and advanced to level responsible for directing completion of hydrogeologic investigations and water supply studies throughout Michigan and in several other states.
- Grew client base containing diversity of Fortune 500 and small companies.
- Sold services of other engineering groups along with environmental consulting services.

KECK CONSULTING SERVICES, Williamston, Michigan **1981-1983**
Hydrologist/Chemist

Designed and managed hydrogeological and geochemistry studies throughout Michigan.

DESERT RESEARCH INSTITUTE, Reno, Nevada **1978 – 1980**
Hydrological Research Fellow

Conducted general water chemistry and hydrogeological research including investigation into the movement of groundwater through volcanic tuffs at the Nevada Test Site.

HEFA FRENON ARZNEIMITTEL, GmbH, Werne, Germany **1977-78**
Research Pharmaceutical Chemist

Conducted laboratory research to identify the degradation rates and absorption time of anti-tubercular drug.

EDUCATION

J.D., THOMAS COOLEY LAW SCHOOL, Lansing, Michigan
- Completed work to receive J.D. in 10 terms while working full-time
- Received "book award" in computer-assisted legal research

M.S., Hydrology/Hydrogeology, UNIVERSITY OF NEVADA - RENO
- Completed course work and wrote Master's thesis while employed by the Desert Research Institute

B.S., Chemistry, UNIVERSITY OF CALIFORNIA AT SANTA BARBARA
- Academic studies included significant coursework in Chemistry, along with Geology and German
- Academic performance allowed for participation in University of California's year-long Education Abroad Program in Germany (below)
- Served as student advisor to faculty committee charged with overseeing Education Abroad Program on all UC campuses and at international study centers throughout the world.

Honors Foreign Study Program, GEORG-AUGUST UNIVERSITÄT, Göttingen, Germany
- Completed all Chemistry, Physics and other coursework and exams in German
- Participated in inter-cultural activities of the University

Current and Past Leadership Responsibilities

- **District Governor, ROTARY INTERNATIONAL**, July 2012-June 2013. Also Past Club President, Group Study Exchange Team Leader, District Friendship Exchange Chair. Member of Rotary delegations sent to Kenya and Tanzania to conduct needs and feasibility studies, and identify opportunities to improve education, water supplies, and sanitation.
- **Co-Founder and Charter President, MICHIGAN ENVIRONMENTAL CONSULTANTS AND CONTRACTORS ASSOCIATION** (MECCA)
- **Charter Vice President, ENVIRONMENTAL MANAGEMENT ASSOCIATION**
- **Director, MID-MICHIGAN ENVIRONMENTAL ACTION COUNCIL**
- **Director, GREATER LANSING HOUSING COALITION**
- **Commissioner, LANSING REGIONAL SISTER CITIES COMMISSION**. Also member of delegations that explored creation of a vocational education program in Adamawa State, Nigeria, and developed health and sanitation programs for Akuapim, Ghana.
- **Director, CASA** (COURT APPOINTED SPECIAL ADVOCATES) OF INGHAM COUNTY.
- **Vice President, BIG BROTHERS/BIG SISTERS** OF LANSING.
- **Director and Treasurer, PRO BONO LEGAL SERVICES**.
- **Vice President, HAVEN HOUSE** (homeless shelter).

From: Mark Henne <mark.henne@henneenv.com>
Sent: Tuesday, December 29, 2015 4:42 PM
To: Baird, Richard (GOV)
Subject: RE: Offer to help in solving problems within MDEQ

Please keep me posted.

If you have an advance copy of the Task Force's report, I'd enjoy seeing it. I will keep it confidential, and won't comment on it or discuss it with anybody (other than you, and only if you want my opinion).

Mark

Mark S. Henne, M.S., J.D.
Environmental Consultant, Hydrogeologist, and Attorney
5070 Barton Road
Williamston, MI 48895 USA

Office 517-655-1104
Home 517-655-2087
Cell [redacted]
Fax 855-837-9515

-----Original Message-----
From: Baird, Richard (GOV) [mailto:bairdr@michigan.gov]
Sent: Tuesday, December 29, 2015 4:38 PM
To: Mark Henne <[redacted]
Subject: Re: Offer to help in solving problems within MDEQ

Thanks Mark. There may be an opportunity. Have some steps to take first.

Rich

Sent from my Verizon Wireless 4G LTE DROID On Dec 29, 2015 4:35 PM, Mark Henne <[redacted] wrote:

Hi Rich,

I've been watching from the sidelines as the water problems in Flint have unfolded. If I can help you and the Governor in solving the issues at the MDEQ, please don't hesitate to contact me. I'm attaching my resume so that you have some understanding about my capabilities.

Thanks,

Mark

Mark S. Henne, M.S., J.D.

Environmental Consultant, Hydrogeologist and Attorney

5070 Barton Road

Williamston, MI 48895 USA

Office [redacted]

Home [redacted]

Cell [redacted]

Fax [redacted]

From: Kelenske, Chris (MSP)
Sent: Wednesday, December 30, 2015 9:16 PM
To: Baird, Richard (GOV)
Cc: Etue, Kriste (MSP)
Subject: Re: Attorney Client Work Product (Draft), Privileged and Confidential

Clear on that.

Sent from my iPhone

On Dec 30, 2015, at 9:12 PM, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:

> You are spot on. Relax. I will manage this through. Colonel knows how I work. I will send you what I just gave Harvey privately. We listen to everyone...then we decide and expect them to support.
>
> R
>
> *Sent from my Verizon Wireless 4G LTE DROID*
> On Dec 30, 2015 9:09 PM, "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov> wrote:
>
> I think we need to make sure this committee does not become more a committee of discussion versus action … I was thinking it was more a group to get the requests from the City, develop an Incident Action Plan and then getting the tasks completed as identified.
>
> My framework on this is very disaster/emergency centric where we have a problem and do our best to quickly get it fixed … I know this has a lot more political issues I am not as schooled in though.
>
> Chris

From: Holland, Meegan (GOV)
Sent: Wednesday, December 30, 2015 9:01 PM
To: Baird, Richard (GOV); Agen, Jarrod (GOV); Clement, Elizabeth (GOV); Hollins, Harvey (GOV); Kelenske, Chris (MSP); Murray, David (GOV); Redford, James (GOV); Becker, Timothy (DHHS); Creagh, Keith (DNR); Roberts, John (DTMB)
Cc: Etue, Kriste (MSP); Lyon, Nick (DHHS)
Subject: RE: Attorney Client Work Product (Draft), Privileged and Confidential

I offer a few thoughts, and some of these may be incredibly naïve, but we seem to be in a brainstorming mode:

- Should we include MSHDA in the mix of departments involved in this? They administer the Community Development Block Grant program and this may call for some of that money.

- It might be prudent to reach out to Sen. Ananich, Rep. Neeley and U.S. Rep. Dan Kildee to see if they would like representatives from their offices on any of these committees.

- We still need to convey better the extent of the problem. So maybe this is a communications issue more than anything else, because I do know testing is going on. I don't know HOW it's going on, so I offer these suggestions, realizing they may already be happening or are totally unrealistic:

  The goal: Assess the extent of the elevated blood lead levels – the number of those affected and the degree to which they're affected

- Get as many people in the affected zip codes tested as possible – can the Red Cross or some other agency with a bus or mobile unit set up for folks to give blood convert over to blood level testing and go into neighborhoods that have low testing rates?

- A public health friend of mine said that Genesee County Health workers are stressed to the max. Can we deploy appropriate personnel from other county health agencies to help with inspecting homes for possible other causes? In other words, it won't do any good to invest more in water infrastructure if we're finding window sills with teeth marks. I say this NOT to downplay the role that water lead levels may have played. But can we get Habitat for Humanity, for example, to do a massive volunteer effort to eradicate lead paint in homes … or is that beyond their expertise?

- Gather experts to assess exactly how extensive the problem is and potential causes. And then convey this in a much more accessible ways. If you want blood level data, you have to scroll down on the DHHS web site, find the headline and then read a long press release. Maybe we're conveying this information better on the ground, but if not, we need to communicate conclusive findings in multiple ways– graphics, video, informational photo galleries and maybe even a "test" that residents can take to see if their home is at risk in other ways. I know that sounds awfully MLive-ish, but it can be effective.

From: Baird, Richard (GOV)
Sent: Wednesday, December 30, 2015 6:57 PM
To: Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Kelenske, Chris (MSP) <KelenskeC@michigan.gov>; Holland, Meegan (GOV) <HollandM2@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>; Redford, James (GOV) <RedfordJ@michigan.gov>; Becker, Timothy (DHHS) <beckert1@michigan.gov>; Creagh, Keith (DNR) <creaghk@michigan.gov>; Roberts, John (DTMB) <RobertsJ9@michigan.gov>

Cc: Etue, Kriste (MSP) <EtueK@michigan.gov>; Lyon, Nick (DHHS) <LyonN2@michigan.gov>
Subject: Attorney Client Work Product (Draft), Privileged and Confidential

Team:

Today Harvey and I met with the Flint Water Task Force. It was a good meeting. People were pleased with the G's statement from the prior day. Captain Kelenske joined us and we had a very good discussion about moving forward with the creation of the Flint Water Crisis Agency Coordinating Committee (FIACC). Tim Becker and Captain Kelenske provided me with a fair amount of input. I also read the City of Flint Incident Action Plan for a State of Emergency which Chris received today (enclosed for those who wish to read it as well). I have distilled all of this into a two page plan that I want your edits and comments on and a one page organizational chart (now presented in the "governor's colors" according to our fine people in Communications). Spoiler alert—I made Captain Kelenske Vice Chair of the whole shebang (with the Colonel's blessing) so Harvey wouldn't get lonely.

Here is my ask of you:

1) Within 24 (sooner if you can) hours give me your comments and input

2) Tomorrow I will turn around a final document for Jarrod to review with the Governor either New Year's Day or Saturday

3) Ideally, Governor will approve Harvey sending it to Mayor Weaver Saturday (Sunday latest)

4) Mayor needs to know that this is what the Governor wishes to discuss at the meeting January 7 along with financial resources that we still need some estimates on cost from DHHS for

5) Meegan and Dave need to noodle how best to get out front with this and change the narrative focus on Monday's Genesee County declaration of emergency

I know we are all working way too hard for what should be a rest and recharge period but I do appreciate everyone's efforts and I know the Boss really does as well.

Regards,

Rich

From: Etue, Kriste (MSP)
Sent: Wednesday, December 30, 2015 11:14 PM
To: Baird, Richard (GOV)
Cc: Kelenske, Chris (MSP)
Subject: Re: Attorney Client Work Product (Draft), Privileged and Confidential

I'm finding all of this discussion very interesting!

BTW...Just starting on my second glass of wine, as I read everything :)

Sent from my iPhone

On Dec 30, 2015, at 9:12 PM, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:

You are spot on. Relax. I will manage this through. Colonel knows how I work. I will send you what I just gave Harvey privately. We listen to everyone...then we decide and expect them to support.

R

Sent from my Verizon Wireless 4G LTE DROID
On Dec 30, 2015 9:09 PM, "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov> wrote:

I think we need to make sure this committee does not become more a committee of discussion versus action … I was thinking it was more a group to get the requests from the City, develop an Incident Action Plan and then getting the tasks completed as identified.

My framework on this is very disaster/emergency centric where we have a problem and do our best to quickly get it fixed … I know this has a lot more political issues I am not as schooled in though.

Chris

From: Holland, Meegan (GOV)
Sent: Wednesday, December 30, 2015 9:01 PM
To: Baird, Richard (GOV); Agen, Jarrod (GOV); Clement, Elizabeth (GOV); Hollins, Harvey (GOV); Kelenske, Chris (MSP); Murray, David (GOV); Redford, James (GOV); Becker, Timothy (DHHS); Creagh, Keith (DNR); Roberts, John (DTMB)
Cc: Etue, Kriste (MSP); Lyon, Nick (DHHS)
Subject: RE: Attorney Client Work Product (Draft), Privileged and Confidential

I offer a few thoughts, and some of these may be incredibly naïve, but we seem to be in a brainstorming mode:

- Should we include MSHDA in the mix of departments involved in this? They administer the Community Development Block Grant program and this may call for some of that money.

- It might be prudent to reach out to Sen. Ananich, Rep. Neeley and U.S. Rep. Dan Kildee to see if they would like representatives from their offices on any of these committees.

- We still need to convey better the extent of the problem. So maybe this is a communications issue more than anything else, because I do know testing is going on. I don't know HOW it's going on, so I offer these suggestions, realizing they may already be happening or are totally unrealistic:

  The goal: Assess the extent of the elevated blood lead levels – the number of those affected and the degree to which they're affected

- Get as many people in the affected zip codes tested as possible – can the Red Cross or some other agency with a bus or mobile unit set up for folks to give blood convert over to blood level testing and go into neighborhoods that have low testing rates?

- A public health friend of mine said that Genesee County Health workers are stressed to the max. Can we deploy appropriate personnel from other county health agencies to help with inspecting homes for possible other causes? In other words, it won't do any good to invest more in water infrastructure if we're finding window sills with teeth marks. I say this NOT to downplay the role that water lead levels may have played. But can we get Habitat for Humanity, for example, to do a massive volunteer effort to eradicate lead paint in homes … or is that beyond their expertise?

- Gather experts to assess exactly how extensive the problem is and potential causes. And then convey this in a much more accessible ways. If you want blood level data, you have to scroll down on the DHHS web site, find the headline and then read a long press release. Maybe we're conveying this information better on the ground, but if not, we need to communicate conclusive findings in multiple ways– graphics, video, informational photo galleries and maybe even a "test" that residents can take to see if their home is at risk in other ways. I know that sounds awfully MLive-ish, but it can be effective.

From: Baird, Richard (GOV)
Sent: Wednesday, December 30, 2015 6:57 PM
To: Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Kelenske, Chris (MSP) <KelenskeC@michigan.gov>; Holland, Meegan (GOV) <HollandM2@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>; Redford, James (GOV) <RedfordJ@michigan.gov>; Becker, Timothy (DHHS) <beckert1@michigan.gov>; Creagh, Keith (DNR) <creaghk@michigan.gov>; Roberts, John (DTMB) <RobertsJ9@michigan.gov>
Cc: Etue, Kriste (MSP) <EtueK@michigan.gov>; Lyon, Nick (DHHS) <LyonN2@michigan.gov>
Subject: Attorney Client Work Product (Draft), Privileged and Confidential

Team:

Today Harvey and I met with the Flint Water Task Force. It was a good meeting. People were pleased with the G's statement from the prior day. Captain Kelenske joined us and we had a very good discussion about moving forward with the creation of the Flint Water Crisis Agency Coordinating Committee (FIACC). Tim Becker and Captain Kelenske provided me with a fair amount of input. I also read the City of Flint Incident Action Plan for a State of Emergency which Chris received today (enclosed for those who wish to read it as well). I have distilled all of this into a two page plan that I want your edits and comments on and a one page organizational chart (now presented in the "governor's colors" according to our fine people in Communications). Spoiler alert—I made Captain Kelenske Vice Chair of the whole shebang (with the Colonel's blessing) so Harvey wouldn't get lonely.

Here is my ask of you:

1) Within 24 (sooner if you can) hours give me your comments and input

2) Tomorrow I will turn around a final document for Jarrod to review with the Governor either New Year's Day or Saturday

3) Ideally, Governor will approve Harvey sending it to Mayor Weaver Saturday (Sunday latest)

4) Mayor needs to know that this is what the Governor wishes to discuss at the meeting January 7 along with financial resources that we still need some estimates on cost from DHHS for

5) Meegan and Dave need to noodle how best to get out front with this and change the narrative focus on Monday's Genesee County declaration of emergency

I know we are all working way too hard for what should be a rest and recharge period but I do appreciate everyone's efforts and I know the Boss really does as well.

Regards,

Rich

From: Chris Kolb <[redacted]
Sent: Tuesday, January 05, 2016 3:10 PM
To: Baird, Richard (GOV)
Subject: Fwd: Flint Water Advisory Task Force Meeting
Attachments: Draft Agenda 1-6-16.docx

Rich,

Attached is the draft agenda for tomorrow's meeting. I hope to see you there.

Chris
---------- Forwarded message ----------
From: **Chris Kolb** <[redacted]
Date: Tue, Jan 5, 2016 at 11:39 AM
Subject: Flint Water Advisory Task Force Meeting
To: "Baird, Richard (GOV)" <bairdr@michigan.gov>, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>

Rich and Harvey,

Are you both planning on being at tomorrow's Flint Water Advisory Task Force meeting? If so, I will forward you an agenda and let you know that the meeting is at our (MEC) office, 602 W. Ionia, Lansing, MI 48933. Amble parking in the back, enter from the back parking lot.

Thanks!
Chris

--
Chris Kolb, President & CEO
Michigan Environmental Council
602 W. Ionia
Lansing, MI 48933

[redacted] (office)
(fax)
(cell)

Sign up for our Electronic Newsletter!

www.environmentalcouncil.org
www.twitter.com/ckolb
www.twitter.com/michenvcouncil

--
Chris Kolb, President & CEO
Michigan Environmental Council
602 W. Ionia
Lansing, MI 48933

[redacted] (office)
(fax)
(cell)

Sign up for our Electronic Newsletter!

www.environmentalcouncil.org
www.twitter.com/ckolb
www.twitter.com/michenvcouncil

Flint Water Advisory Task Force

January 6, 2016
9:30am-12:00pm
Michigan Environmental Council
602 W. Ionia, Lansing, MI 48933

Call In Number: [redacted]
Access Code: [redacted]

1. Review Agenda 9:30-9:35am

2. Brief Update since sending the Second Letter to Governor 9:35-9:50am

3. Task Force Work Plan 9:50-11:30am

    a. FWATF Workplan Update
    b. Status of Interviews
    c. Report Outline
    d. Major Next Steps
    e. Press Interactions
    f. U.S. Attorney Investigation

4. Harvey Hollins Report 11:30-11-45am (unless already covered in earlier discussions)
    a. Update on proposed FWIACC
    b. Meeting between Mayor and Governor

5. "Round Robin"—Issues Task Force Members Want to Raise—11:45-11:55am

6. Task Force Logistics—11:55-12:00pm

    a. Next Meetings
        i. January 14, 2016--PSC

From: Isaacs, Carol (AG)
Sent: Tuesday, January 05, 2016 3:56 PM
To: Baird, Richard (GOV)
Subject: RE: Experts

Thank you.

From: Baird, Richard (GOV)
Sent: Tuesday, January 05, 2016 3:29 PM
To: Isaacs, Carol (AG) <IsaacsC@michigan.gov>; Redford, James (GOV) <Redfordj@michigan.gov>; Creagh, Keith (DEQ) <creaghk@michigan.gov>
Subject: Experts

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: Mark Henne <mark.henne@henneenv.com>
Date: Dec 29, 2015 4:35 PM
Subject: Offer to help in solving problems within MDEQ
To: [redacted]"Baird, Richard (GOV)" <bairdr@michigan.gov>
Cc:

Hi Rich,

I've been watching from the sidelines as the water problems in Flint have unfolded. If I can help you and the Governor in solving the issues at the MDEQ, please don't hesitate to contact me. I'm attaching my resume so that you have some understanding about my capabilities.

Thanks,

Mark

Mark S. Henne, M.S., J.D.

Environmental Consultant, Hydrogeologist and Attorney

5070 Barton Road

Williamston, MI 48895 USA

Office 517-655-1104

[redacted]

Fax 855-837-9515

From: Baird, Richard (GOV)
Sent: Monday, October 12, 2015 5:01 PM
To: Darnell Earley [redacted]
Subject: FW: flint docs
Attachments: Flint.pdf

From: Workman, Wayne (TREASURY)
Sent: Wednesday, October 07, 2015 4:25 PM
To: Hollins, Harvey (GOV)
Cc: Muchmore, Dennis (GOV); Stanton, Terry A. (Treasury); Saxton, Thomas (Treasury); Wurfel, Sara (GOV); Wurfel, Brad (DEQ); Baird, Richard (GOV)
Subject: FW: flint docs

Harvey, Attached are various documents and press reports of the City Council's vote in March 2013 to join KWA. We have not located the actual resolution and it is not on the City's website. It is interesting that the only no vote explained he wanted to just use Flint River water. Wayne

Wayne L. Workman
Deputy State Treasurer
Michigan Department of Treasury

From: Dempkowski, Angela (Treasury)
Sent: Wednesday, October 07, 2015 4:20 PM
To: Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>
Subject: flint docs

Revised pdf

Angela Dempkowski | Senior Executive Management Assistant/Treasury
State of Michigan | 430 W. Allegan Street, 1st Floor | Lansing, MI 48922
(517) 373-4415 | (517) 373-0633 (fax)
dempkowskia@michigan.gov

Think Green! Don't print this e-mail unless you need to.

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, is for the sole use of the intended recipient(s) and may contain information that is confidential and protected from disclosure under the law. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail, and delete/destroy all copies of the original message and attachments.
Thank you

EM SUBMISSION NO.: 2013EM041

PRESENTED: 3-28-13

ADOPTED: 3-29-13

BY THE EMERGENCY MANAGER:

RESOLUTION TO PURCHASE CAPACITY FROM KAREGNONDI WATER AUTHORITY

The Karegnondi Water Authority (KWA) is a governmental consortium of cities and counties in southeastern Michigan that was created to build a water pipeline that will provide water from Lake Huron to interested communities in Sanilac, Lapeer, and Genesee counties. The incorporating bodies that created the KWA are Sanilac County, Lapeer County, Genesee County, the City of Flint, and the City of Lapeer.

The City of Flint is currently in a year to year contract with the City of Detroit for the purchase of water. A study was conducted that projected that staying with Detroit will cost the region $2.1 billion over the next 25 years. In contrast, if the region builds its own pipeline, the projected costs are $1.9 billion over the same period. After the initial 25 year period, the projected costs would be less then 25% of the projected water costs from Detroit.

In order to build the pipeline, the KWA needs commitment from its members regarding the capacity that each member will purchase in the pipeline. The KWA is allowed to withdraw 85 million gallons of water per day. Capacity is available to members in increments of 1 million gallons per day known as units. For each unit of capacity that a member purchases, the buyer shall pay to the KWA a one time fee of $32,300.00. Additionally, the buyer shall pay to the KWA not less then $32,300.00 per unit per year until such time as water is made available to the buyer. After water is made available, the buyer shall pay to the KWA an estimated amount not to exceed $355.300.00 per unit per year until such time that the bonds are paid in full. If it is determined that the costs per unit will exceed $355,300.00 the buyer has a right to cancel the contract.

The purchase of capacity along with the payment of other costs necessary to operate the pipeline gives the member a right to water for sale to its customers. The buyer has a right to resell capacity and water rights. Each party entering into a capacity contract shall also be entitled to appoint additional board members equal to the party's percentage share of the total capacity under contract.

It is in the long term best interests of the City of Flint to enter into a contract with the KWA to purchase up to eighteen (18) units of capacity.

IT IS RESOLVED that City officials are authorized to enter into a contract with KWA to purchase up to eighteen (18) units of capacity.

IT IS FURTHER RESOLVED that the City Administrator is authorized to provide KWA information needed to administer the contract and, with approval of the Chief Legal Officer, to make minor (non-material) modifications to the contract.

APPROVED AS TO FORM:

Peter M. Bade, City Attorney

APPROVED AS TO FINANCE:

For **Gerald Ambrose, Finance Director**

EM DISPOSITION:

ENACT 1/ **FAIL** _____ **DATED** 3-29-13

Edward L. Kurtz, Emergency Manager

S:\P. Bade\EM2013\Resolutions\KWA.03.28.13.doc

Flint

Flint City Council approves resolution to buy water from Karegnondi, state approval still needed

[http://connect.mlive.com/staff/dadams1/index.html] By Dominic Adams | dadams5@mlive.com [http://connect.mlive.com/staff/dadams1/posts.html]
Follow on Twitter [http://www.twitter.com/dominicadams]
on March 25, 2013 at 10:45 PM, updated March 26, 2013 at 1:28 AM

FLINT, MI – Flint is one step closer to getting its water from Lake Huron as part of the Karegnondi Water Authority.

The vote, **approved 7-1 at the Flint City Council meeting Monday, March 25 [http://www.mlive.com/news/flint/index.ssf/2013/03/flint_city_council_again_delay.html]** , may have set in motion the end to Flint paying to get its water from Detroit.

Under the proposal, Flint would get 16 million gallons per day of raw water from Lake Huron, pipe it to Flint for treatment and then sell it to customers throughout the city. Another 2 million gallons per day would come from the Flint River and will be treated in Flint.

Mayor Dayne Walling said the Department of Environmental Quality must approve Flint's getting 2 million gallons per day from the Flint River.

Tuesday's meeting followed weeks of discussions and special meetings surrounding the resolution.

"We got there," Councilman Joshua Freeman said. "That's the important thing."

There were more than 50 people at Monday's meeting.

"Going with Karegnondi is the best decision. We have no opinion on the economics of the decision," said Rebecca Fedewa, Flint River Watershed Coalition executive director. "If we start drawing water out of the Flint River, we are at risk of having to start releasing water from our reservoirs."

Genesee County Drain Commissioner Jeff Wright said the decision must still be approved by a county water and waste advisory board. The KWA board will then be reconvened for final approval.

Wright said construction could start in May.

State treasury officials still must approve the city council's move because Flint has an emergency financial manager. All expenditures over $50,000 must be approved.

Genesee County Drain Commissioner Jeff Wright has said that Flint would pay roughly $6.4 million annually for water service if it joined the pipeline – a nearly $4 million savings on what it pays Detroit for water.

Walling previously said the **city would save $19 million over eight years [http://www.mlive.com/news/flint/index.ssf/2013/03/flint_city_council_delays_deci.html]** by getting water from the KWA.

"It's a historic night in the City of Flint," Walling said. "The savings will be less with the capacity level approved by city council because there will be increased treatment cost for the river water."

He said the DEQ told the city it needed to get 18 million gallons per day or there would have to be additional work done at Flint's water plant.

Flint's water plant and the Flint River is currently the backup for Flint and Genesee County, however, the plant only operates four times per year.

Councilman Bryant Nolden was the lone dissenting vote.

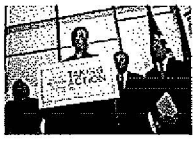
"It was a protest vote," Nolden said. "I knew they had enough votes. I just feel like the Flint River is our best option."

Karengnondi is the regional water authority that includes Genesee, Lapeer and Sanilac counties and the cities of Flint and Lapeer.

Flint is the second municipality, behind Genesee County, to officially decide to purchase raw water through the KWA. Lapeer city officials said they intend to purchase water, but an agreement has been finalized.

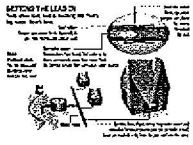
Dominic Adams is a reporter for MLive-Flint Journal. Contact him at ***dadams5@mlive.com*** *or 810-241-8803. Follow him on* ***Twitter [http://www.twitter.com/dominicadams]*** *,* ***Facebook [http://www.facebook.com/dominic.adams.1865]*** *or* ***Google+ [https://plus.google.com/103690672506808729911?rel=author]*** *.*

Related Stories



Price of Detroit water for Flint is $1.5 million a month, mayor says

[http://www.mlive.com/news/flint/index.ssf/2015/10/mayor_city_ad



Here's how that toxic lead gets into Flint water

[http://www.mlive.com/news/flint/index.ssf/2015/10/see_step_by_s

Registration on or use of this site constitutes acceptance of our User Agreement and Privacy Policy

© 2015 MLive Media Group All rights reserved (About Us).
The material on this site may not be reproduced, distributed, transmitted, cached or otherwise used, except with the prior written permission of MLive Media Group

Community Rules apply to all content you upload or otherwise submit to this site. Contact Interactivity management.

▷ Ad Choices

GENESEE COUNTY DRAIN COMMISSIONER'S OFFICE
JEFFREY WRIGHT
COMMISSIONER
G-4608 BEECHER ROAD, FLINT, MI 48532
PHONE (810) 732-1590 FAX (810) 732-1474

FOR IMMEDIATE RELEASE

CONTACT: Jeff Wright

March 26, 2013

810-287-1925

What: Jeff Wright Statement on Flint City Council Approving Resolution to Join KWA.

When: March 26, 2013

Additional Info: Jeff Wright, CEO of the KWA, today praised the Flint City Council for voting to approve a resolution to officially have the City of Flint join the KWA and its' water line.

"I have said from the beginning that this decision must be made by Flint's City Council and Mayor," said Wright. "I appreciate the council voting the way they did, but even more than that, I am glad the residents of Flint were able to have their voices heard via their elected officials." The next step in the process will come with the KWA Board executing the contract for the City.

"The most important aspect from the vote is the fact that we as an Authority can move forward knowing Flint's intentions," said Wright.

Despite Emergency Manager Ed Kurtz publicly supporting the project, Wright had made a vote by council a condition of Flint joining the KWA so the residents would have their say.

"There is a basic tenet that government is best when it has local control. We saw that with the council vote. Nobody, whether they live in Flint, Grand Blanc, Davison, Fenton, or anywhere in Genesee County, should have these types of decisions made by people who live outside of their community," said Wright.

At the next Water and Waste Advisory Board meeting a vote will be taken to award a contract for construction of the intake portion of the water line. All bids were submitted to the board at their last meeting for review.

89 (Rev. 02-11)

STATE OF MICHIGAN
DEPARTMENT OF TREASURY
LANSING

RICK SNYDER
GOVERNOR

ANDY DILLON
STATE TREASURER

April 11, 2013

Mr. Edward Kurtz
Emergency Manager
City of Flint
1101 South Saginaw Street
Flint, MI 48502

Dear Mr. Kurtz:

Thank you for your March 29, 2013 letter, which is attached for reference. As the Emergency Manager for the City of Flint ("Flint" or "City"), you have asked for my concurrence, pursuant to Public Act 436 of 2012, the Local Financial Stability and Choice Act, to authorize a contract in excess of $50,000.00 not subject to competitive bidding. This request was related to the City entering into an agreement with the Karegnondi Water Authority (KWA) for provision of raw water for the City.

In considering your request, I took note of the following facts in support of Flint joining KWA. First, there is widespread support in the City for this move, including the support of the Mayor, the City Council, and the Emergency Manager. Second, this move will provide a unique opportunity for the City and County to partner on an important project, which will hopefully lead to future regional collaboration. Third, the Department of Environmental Quality is supportive of the City participating in the KWA project. Finally, your representations that this deal will lead to substantial savings for the City over the coming decades, savings that are desperately needed to help with the turnaround of the City of Flint.

It is my understanding that the Detroit Water and Sewer Department is making a final best offer to Genesee County and the City of Flint next Monday, April 15, 2013. As such, this approval will be effective at 5 pm on April 16, 2013 after receiving written notice from the City that either no such offer was presented to the county and the City or that an offer was received and was rejected in good faith based upon specified objections.

For the reasons described above and subject to the conditions set forth herein, pursuant to Section 12 (3) of PA 436 of 2012, I am authorizing you to proceed with adopting the resolution and entering into a contract with KWA.

Sincerely,

Andy Dillon
State Treasurer

Flint

Flint council supports buying water from Lake Huron through KWA

[http://connect.mlive.com/staff/dadams1/index.html] By Dominic Adams | dadams5@mlive.com [http://connect.mlive.com/staff/dadams1/posts.html]
Follow on Twitter [http://www.twitter.com/dominicadams]
on March 25, 2013 at 7:17 PM, updated March 26, 2013 at 7:43 AM

FLINT, MI -- Flint residents may soon get their water from Lake Huron.

The Flint City Council voted 7-1 to get 16 million gallons per day from the Karegnondi Water Authority.

"This is about compromise," said Councilman Sheldon Neeley.

Neeley got support from Councilman Joshua Freeman, after the two were previously at odds about the amount the city should withdraw from Lake Huron.

Councilman Bryant Nolden was the lone "no" vote.

"It was a protest vote," Nolden said. "I just feel like the Flint River is our best option."

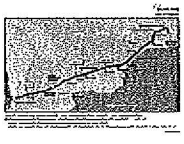
Genesee County Drain Commissioner said construction of the pipeline could start in May.

The city currently pays to get its water from Detroit.

State treasury officials still must approve the city council's move because Flint has an emergency financial manager. All expenditures over $50,000 must be approved.

*Dominic Adams is a reporter for MLive-Flint Journal. Contact him at **dadams5@mlive.com** or 810-241-8803. Follow him on **Twitter [http://www.twitter.com/dominicadams]** , **Facebook [http://www.facebook.com/dominic.adams.1865]** or **Google+ [https://plus.google.com/103690672506808729911?rel=author]** .*

Related Stories



Enbridge can begin piping tar sands oil along Lake Ontario north shore

[http://www.mlive.com/news/index.ssf/2015/10/enbridge_can_beg

Former Detroit American Motors Corp. headquarters being auctioned; starting bid $500

[http://www.mlive.com/news/detroit/index.ssf/2015/10/former_detr

Registration on or use of this site constitutes acceptance of our User Agreement and Privacy Policy

© 2015 MLive Media Group All rights reserved (About Us).
The material on this site may not be reproduced, distributed, transmitted, cached or otherwise used, except with the prior written permission of MLive Media Group

Community Rules apply to all content you upload or otherwise submit to this site. Contact interactivity management.

▷ Ad Choices

From: Baird, Richard (GOV)
Sent: Tuesday, October 13, 2015 9:31 AM
To: Eric Rothstein
Subject: Fwd: Letter to Wolfson October 12 final
Attachments: Letter to Wolfson October 12 final.pdf; ATT00001.htm; Request From Flint.pdf; ATT00002.htm; Letter to Wolfson Final.pdf; ATT00003.htm

Can you pursue? See you tonight.

Rich

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>
Date: Oct 13, 2015 9:28 AM
Subject: Fwd: Letter to Wolfson October 12 final
To: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Cc:

It would probably be helpful if you could get GLWA's attention to acknowledge this GCDC request.

Begin forwarded message:

> **From:** "Kevin K. Kilby" <[redacted]>
> **Date:** October 12, 2015 at 12:37:38 PM EDT
> **To:** <workmanW@michigan.gov>, <muchmoreD@michigan.gov>, <wyantD@michigan.gov>
> **Cc:** "'Kevin K. Kilby'" <[redacted], 'John O'Brien' <[redacted] 'David Jansen' <[redacted]
> **Subject: Letter to Wolfson October 12 final**
>
> Gentleman –
>
> I represent the Genesee County Drain Commissioner's Office. The Commissioner requested that I send you the attached information regarding DWSD supplying water to Flint.
>
> Sincerely,
>
> Kevin Kilby
> Partner and Attorney at Law
> McGraw Morris P.C.
> 2075 W. Big Beaver Road
> Suite 750
> Troy, Michigan 48084
> Office: (248) 502-4000
> Fax: (248) 502-4001
> Cellular: [redacted]

CONFIDENTIAL AND ATTORNEY/CLIENT PRIVILEGED:

This e-mail and any attachments are confidential, intended for the addressee only and may be attorney/client privileged. If you are not the addressee, then please DO NOT read, copy or distribute the message or any attachment. Please reply to the sender that you received the message in error and delete it. Thank you.

CIRCULAR 230 DISCLOSURE In accordance with U.S. Treasury regulations, if this message from McGraw Morris, P.C. (or any attachment) contains advice concerning one or more Federal tax issues, it is not a formal legal opinion and may not be used by any person for the avoidance of Federal tax penalties.

MCGRAW MORRIS P.C.
GRAND RAPIDS TROY SAGINAW

THOMAS J. MCGRAW
G. GUS MORRIS
CRAIG R. NOLAND
STACY J. BELISLE
KEVIN K. KILBY
CHRISTOPHER J. RAITI
JOHN A. MULLETT

2075 W. BIG BEAVER ROAD
SUITE 750
TROY, MICHIGAN 48084
TELEPHONE: [redacted]
FACSIMILE: (248) 502-4001

October 12, 2015

Via Email: wolfson@dwsd.org
William M. Wolfson
Chief Administrative and Compliance Officer/General Counsel, DWSD
Interim General Counsel, GLWA
735 Randolph Street
Detroit Michigan 48226

Re: Increase in average day and maximum peak day by GCDC

Dear Mr. Wolfson:

The Genesee County Drain Commissioner's Office, Division of Water and Waste Services ("GCDC") has been working diligently to fulfill the demands of the various state and federal agencies, Governor Snyder, and the people of the City of Flint ("Flint"), to provide Flint with water from the Detroit Water and Sewerage Department ("DWSD"). These efforts include placing approximately seven (7) miles of the seventy-two inch (72") water transmission pipeline ("Pipeline") that GCDC purchased from Flint back into service, pressurizing the Pipeline, disinfecting the Pipeline, flushing the Pipeline, and performing Bac-T testing on the water inside of the Pipeline. Once these efforts have materialized and GCDC has received two (2) negative Bac-T tests, GCDC will be in a tactical position to furnish DWSD water to Flint as early as midweek.

On October 8, 2015, I sent you a letter after GCDC received a formal request from Flint for GCDC to provide DWSD water to Flint pursuant to a previous written agreement between GCDC and Flint. As of today, I have not received your response. In the October 8, 2015, letter I requested the following:

> GCDC has received a formal request from Flint to receive DWSD water via GCDC per GCDC's contract with Flint. GCDC's rates are currently based on 12 mgd average day and 25 mgd maximum peak day. Does DWSD have the capacity to increase demand to GCDC to 28.5 mgd average day and 51 mgd peak day? If so, could you please provide GCDC with the rates for 28.5 mgd average and 51 mgd peak day through June 30, 2016?

Attorney Anthony Chubb from Flint has provided me with a proposed WATER SERVICE CONTRACT BETWEEN CITY OF DETROIT AND CITY OF FLINT ("Contract"). This Contract makes the assumption that Flint has a separate connection to the DWSD water distribution system. The interconnect between the DWSD water system and the Flint water system is owned by GCDC. Flint does not have a separate connection to the DWSD water distribution system. Any water that Flint receives

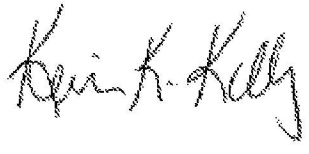
from DWSD is required to flow through GN-01. Additionally, GCDC has received no communication from DWSD on this subject since the Flint water issue surfaced. Simply stated, DWSD has the ability to service Flint with water only through the interconnect owned by GCDC.

GCDC is working diligently to move forward with Flint receiving DWSD water; however, GCDC cannot do anything until it has an agreement with DWSD and Flint as to how the DWSD water will be transmitted to Flint. Right now, Flint is requesting GCDC to provide DWSD water GN-01 pursuant to the written agreement between GCDC and Flint. Additionally, Flint has also request DWSD to provide Flint with water with the understanding that DWSD has no way to transmit the water to Flint. There is no question that Flint wants and eventually will be serviced with DWSD water; however, DWSD and Flint cannot continually ignore the fact that GCDC owns and operates the interconnect between DWSD and Flint.

GCDC has been working diligently to assist Flint in receiving DWSD water; however, DWSD to date has been unwilling to provide GCDC the information it needs so that Flint may switch over the DWSD water. When you have prepared your response, please send it to kkilby@mcgrawmorris.com or contact Director John O'Brien at 810-732-7870.

Sincerely,

MCGRAW MORRIS P.C.



Kevin K. Kilby
Attorney at Law

Cc: Jeff Wright, Drain Commissioner, GCDC
John O'Brien, Director GCDC
Dennis Muchmore, Chief of Staff, Governor's Office, w/attachments
Wayne Workman, Deputy Treasurer, Michigan Department of Treasury, w/attachments
Dan Wyant, Director, MDEQ, w/attachments
Laurie Koester, DWSD
Dayne Walling, Mayor, City of Flint
Anthony Chubb, Attorney, City of Flint

N:\GCDC\2155-1000 (General)\Contracts and Agreements\Flint Emergency Water Purchase\Letter to Wolfson October 12 final.doc

John O'Brien

From:	achubb@cityofflint.com
Sent:	Thursday, October 08, 2015 12:30 PM
To:	John O'Brien; Kevin Kilby
Cc:	Byrne, Randall (Treasury); wyantd@michigan.gov; workmanw@michigan.gov; Warren Vyvyan; Dayne Walling; Peter Bade; Natasha Henderson
Subject:	Re: DWSD

John and Kevin,

Per our contract, the City is requesting flow of 16.5mgd average, 26mgd max flow. Please notify of intent to provide and costs as soon as possible.

Anthony Chubb
Interim Director of Human Resources and Labor Relations
Deputy City Attorney
City of Flint

Sent from my iPhone

On Oct 8, 2015, at 11:51 AM, John O'Brien <jfobrien@gcdcwws.com> wrote:

> Tony
>
> The County and City Have a current contract we will honor that agreement.
> The DWSD recognizes this issue as identified in the last sentence of paragraph 1 d)
>
> John
>
> **From:** Anthony Chubb [mailto:achubb@cityofflint.com]
> **Sent:** Thursday, October 08, 2015 11:25 AM
> **To:** John O'Brien <jfobrien@gcdcwws.com>; Kevin K. Kilby <[redacted]
> **Subject:** Fwd: DWSD
>
> See below. I had your old email in my history.
>
> Anthony Chubb
> Interim Director of Human Resources and Labor Relations
> Deputy City Attorney
> City of Flint
> 1101 S. Saginaw Street, 3rd Floor
> Flint, MI 48502
>
> (810) 237-2078
>
> This communication, along with any documents, files or attachments, is intended only for the use of the addressee and may contain legally privileged and confidential information. If you are not the intended

MCGRAW MORRIS P.C.
GRAND RAPIDS TROY SAGINAW

THOMAS J. MCGRAW
G. GUS MORRIS
CRAIG R. NOLAND
STACY J. BELISLE
KEVIN K. KILBY
CHRISTOPHER J. RAITI
JOHN A. MULLETT

2075 W. BIG BEAVER ROAD
SUITE 750
TROY, MICHIGAN 48084
TELEPHONE: [redacted]
FACSIMILE:

October 8, 2015

Via Email: wolfson@dwsd.org
William M. Wolfson
Chief Administrative and Compliance Officer/General Counsel, DWSD
Interim General Counsel, GLWA
735 Randolph Street
Detroit Michigan 48226

Re: Increase in average day and maximum peak day by GCDC

Dear Mr. Wolfson:

GCDC has received a formal request from Flint to receive DWSD water via GCDC per GCDC's contract with Flint. GCDC's rates are currently based on 12 mgd average day and 25 mgd maximum peak day. Does DWSD have the capacity to increase demand to GCDC to 28.5 mgd average day and 51 mgd peak day? If so, could you please provide GCDC with the rates for 28.5 mgd average and 51 mgd peak day through June 30, 2016?

As you are aware, time is of the essence. I would respectfully ask that if at all possible you could provide answers to the above two (2) questions stated above by 5:00 p.m. today. It is anticipated that if DWSD has the capacity and all of the issues between Flint and GCDC are resolved, GCDC anticipates providing Treated Water to Flint within the next seven (7) days.

If you should have any questions or concerns regarding this communication, please feel free to contact me at 810-569-0352 or via email at kkilby@mcgrawmorris.com.

Sincerely,

MCGRAW MORRIS P.C.

Kevin K. Kilby
Attorney at Law

N:\GCDC\2155-1000 (General)\Contracts and Agreements\Flint Emergency Water Purchase\Letter to Wolfson Final.doc

From: Baird, Richard (GOV)
Sent: Thursday, October 22, 2015 9:32 AM
To: 'Ken Sikkema'; 'Chris Kolb'; [redacted]
Cc: Anderson, Madhu (DEQ); VanSickle, Michele (GOV)
Subject: Roster of Task Force and Supporting Cast
Attachments: Flint Water Task Force Members.docx

Ken and Team:

I asked my assistant Michele to put this together so that everyone's contact information could be found in a single place.

Regards,

Rich

Flint Water Task Force Members

Name	Title	Work Phone	Cell Phone	Email	Assistant	Phone	Email
Rick Snyder	Governor	517-241-5022	N/A	[redacted]	Allison Scott	517-241-5022	Scotta12@michigan.gov
Jarrod Agen	Director of Communications	517-241-5599	[redacted]	agenj@michigan.gov	Wendy Wisniewski	517-241-5601	wisniewskiw@michigan.gov
Matt Davis	Professor of Pediatrics & Internal Medicine U of M	[redacted]		[redacted]			
Dave Murray	Deputy Press Secretary	517-335-6820		Murrayd1@michigan.gov	Jordan Kennedy	517-241-0061	Kennedyj4@michigan.gov
Dan Wyant	Director DEQ	517-284-6714		wyantd@michigan.gov	Mary Beth Thelen	517-284-6712	Thelenm2@michigan.gov
Madhu Anderson	Deputy Director DEQ	517-284-6702		andersonm30@michigan.gov	Leigh Copen	517-284-6702	Copenl1@michigan.gov
Chris Kolb	President – Michigan Environmental Council	[redacted]		[redacted]			
Ken Sikkema	Senior Policy Fellow – Public Sector Consultants	[redacted]		[redacted]			
Eric Rothstein	Principal – Galardi & Rothstein Group	N/A		[redacted]			
Nick Lyon	Director DHHS	N/A		Lyonn2@michigan.gov	Nancy Grijalva	517-241-1193	grijalvan@michigan.gov

Rich Baird	Senior Advisor	517-241-5775	[redacted]	bairdr@michigan.gov	Michele VanSickle	517-241-5621	Vansicklem2@michigan.gov
Beth Clement	Deputy Chief of Staff	517-241-5603		clemente@michigan.gov	Wendy Wisniewski	517-241-5601	wisniewskiw@michigan.gov
Dennis Muchmore	Chief of Staff	517-241-5094		muchmored@michigan.gov	Wendy Wisniewski	517-241-5601	wisniewskiw@michigan.gov
Larry Reynolds	Pediatrician Mott Children's Health Center	[redacted]		reynolds@mottchc.org	Deborah Higgins	(810) 237-7594	higginsd@mottchc.org
Harvey Hollins	Director Urban Initiatives	313-456-4997		hollinsh@michigan.gov	Stacie Clayton	313-456-4994	Claytons3@michigan.gov

From: Baird, Richard (GOV)
Sent: Thursday, October 22, 2015 9:40 AM
To: [redacted]
Subject: FW: state money for detroit water

That was never the deal. Whats going on?

From: Wurfel, Sara (GOV)
Sent: Thursday, October 22, 2015 9:35 AM
To: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Agen, Jarrod (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV)
Cc: Murray, David (GOV)
Subject: FW: state money for detroit water
Importance: High

Please see below.

No good deed goes unpunished. This looks like may be next big issue.

I thought GLWA-DWSD was NOT going to require the entire sum all up front?

From: Ronald Fonger [mailto:RFONGER1@mlive.com]
Sent: Thursday, October 22, 2015 9:28 AM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>
Subject: state money for detroit water

Sara:
I was at a City Council meeting last night when Flint City Administrator Natasha Henderson said the state has only wired Flint $2 million of the $6 million approved by the state Legislature.
She said the city has been told it will receive an additional $2 million in January and another $2 million in April.
Henderson said she's asked that the money be sent immediately because the city was required to pay Detroit the entire $12 million upfront, before the water was reconnected, and its water and sewer fund balance has dropped significantly as a result.
Several council members also spoke about this, and Council President Josh Freeman called the payment plant "beyond ridiculous" given the city's financial position.
Is there someone who can talk to us about this?
Thanks,

Ron Fonger
MLive Media Group
Reporter

mobile 810.347.9963
email rfonger1@mlive.com
address 540 S. Saginaw St. #101, Flint MI 48502

From: Baird, Richard (GOV)
Sent: Thursday, October 22, 2015 9:41 AM
To: Gary Brown
Subject: Fwd: FW: state money for detroit water

Gary, I think the Flint administrator is wrong. Correct?

Rich

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Wurfel, Sara (GOV)" <Wurfels@michigan.gov>
Date: Oct 22, 2015 9:34 AM
Subject: FW: state money for detroit water
To: "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>,"Clement, Elizabeth (GOV)" <clemente@michigan.gov>,"Agen, Jarrod (GOV)" <AgenJ@michigan.gov>,"Baird, Richard (GOV)" <bairdr@michigan.gov>,"Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
Cc: "Murray, David (GOV)" <MurrayD1@michigan.gov>

Please see below.

No good deed goes unpunished. This looks like may be next big issue.

I thought GLWA-DWSD was NOT going to require the entire sum all up front?

From: Ronald Fonger [mailto:RFONGER1@mlive.com]
Sent: Thursday, October 22, 2015 9:28 AM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>
Subject: state money for detroit water

Sara:
I was at a City Council meeting last night when Flint City Administrator Natasha Henderson said the state has only wired Flint $2 million of the $6 million approved by the state Legislature.
She said the city has been told it will receive an additional $2 million in January and another $2 million in April.
Henderson said she's asked that the money be sent immediately because the city was required to pay Detroit the entire $12 million upfront, before the water was reconnected, and its water and sewer fund balance has dropped significantly as a result.
Several council members also spoke about this, and Council President Josh Freeman called the payment plant "beyond ridiculous" given the city's financial position.
Is there someone who can talk to us about this?
Thanks,

Ron Fonger
MLive Media Group

Reporter

mobile 810.347.9963
email rfonger1@mlive.com
address 540 S. Saginaw St. #101, Flint MI 48502

From: Baird, Richard (GOV)
Sent: Thursday, October 22, 2015 11:13 AM
To: browngary@detroitmi.gov; Eric Rothstein
Subject: Fwd: state money for detroit water

Guys:

Found anything out on this? Don't want this to develop a life of its own...

Sent from my iPad

Begin forwarded message:

> **From:** "Wurfel, Sara (GOV)" <Wurfels@michigan.gov>
> **Date:** October 22, 2015 at 9:57:37 AM EDT
> **To:** "Baird, Richard (GOV)" <bairdr@michigan.gov>, "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>, "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
> **Cc:** "Murray, David (GOV)" <MurrayD1@michigan.gov>
> **Subject: RE: state money for detroit water**
>
> Thanks much – that was the last I had knew and understood too about how was supposed to work.
>
> Just trying to either correct and nip in bud ASAP before this gets out of hand.
>
> But also imperative that we have facts first.
>
> p.s.
> Have also talked with Treasury and SBO teams and they're looking into from their respective ends as well.
>
> ---
>
> **From:** Baird, Richard (GOV)
> **Sent:** Thursday, October 22, 2015 9:43 AM
> **To:** Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>
> **Cc:** Murray, David (GOV) <MurrayD1@michigan.gov>
> **Subject:** RE: state money for detroit water
>
> The deal was monthly payments. I will get into this as quick as I can but I am sure she has it wrong or someone in DWSD is befuddled.
>
> ---
>
> **From:** Wurfel, Sara (GOV)
> **Sent:** Thursday, October 22, 2015 9:35 AM
> **To:** Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Agen, Jarrod (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV)
> **Cc:** Murray, David (GOV)

Subject: FW: state money for detroit water
Importance: High

Please see below.

No good deed goes unpunished. This looks like may be next big issue.

I thought GLWA-DWSD was NOT going to require the entire sum all up front?

From: Ronald Fonger [mailto:RFONGER1@mlive.com]
Sent: Thursday, October 22, 2015 9:28 AM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>
Subject: state money for detroit water

Sara:
I was at a City Council meeting last night when Flint City Administrator Natasha Henderson said the state has only wired Flint $2 million of the $6 million approved by the state Legislature.
She said the city has been told it will receive an additional $2 million in January and another $2 million in April.
Henderson said she's asked that the money be sent immediately because the city was required to pay Detroit the entire $12 million upfront, before the water was reconnected, and its water and sewer fund balance has dropped significantly as a result.
Several council members also spoke about this, and Council President Josh Freeman called the payment plant "beyond ridiculous" given the city's financial position.
Is there someone who can talk to us about this?
Thanks,

Ron Fonger
MLive Media Group
Reporter

mobile 810.347.9963
email rfonger1@mlive.com
address 540 S. Saginaw St. #101, Flint MI 48502

From:	Baird, Richard (GOV)
Sent:	Thursday, November 19, 2015 6:29 PM
To:	Andy Dillon
Subject:	Fwd: Privileged Attorney-Client Communication - Outline of Flint Drinking Water Issues
Attachments:	DEQ's Outline of Flint Drinking Water Issues for Flint Water Task Force - Attorney Client Privilege Work Product -11-16-2015.pdf

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Anderson, Madhu (DEQ)" <AndersonM30@michigan.gov>
Date: Nov 17, 2015 11:19 AM
Subject: Privileged Attorney-Client Communication - Outline of Flint Drinking Water Issues
To: "Ken Sikkema [redacted]
Cc: "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>,"Baird, Richard (GOV)" <bairdr@michigan.gov>,"Muchmore, Dennis (GOV)" <muchmored@michigan.gov>,"Weber, Travis (GOV)" <WeberT7@michigan.gov>,"Hollins, Harvey (GOV)" <hollinsh@michigan.gov>,"Murray, David (GOV)" <MurrayD1@michigan.gov>,"Wurfel, Sara (GOV)" <Wurfels@michigan.gov>,"Lyon, Nick (DHHS)" <LyonN2@michigan.gov>

Ken – Attached is the outline of the Flint Drinking Water issue (in a question and answer format) we have prepared for you to share with your colleagues on the Governor's Flint Water Task Force. Please let me know if we can provide any other material in preparation for the meeting tomorrow.

Madhu R. Anderson

Deputy Director, Economic and Strategic Initiatives

☎ 517 284 6702 | [redacted]

andersonm30@michigan.gov

DEQ

City of Flint Drinking Water
Outline prepared by the
Michigan Department of Environmental Quality for the
Flint Water Task Force

I. INTRODUCTION

This document is intended to provide an overview of Michigan's implementation of the Safe Drinking Water Act, 1976 PA 399, as amended (Act 399), with respect to events in the city of Flint (City), Michigan.

II. BACKGROUND

1. How has Flint historically obtained its drinking water?

The water system in the City was organized and built under private ownership in 1883 as the Flint Water Works Company to pump raw water from the Flint River to their consumers. In 1903, the system was converted to a municipally-owned corporation which supplied drinking water to the City. In 1967, the City became a customer of the Detroit Water and Sewerage Department (DWSD) system.

After the switch to DWSD, the City operated its water treatment plant as a standby plant for purposes of reliability in the event of an emergency, such as an interruption in service of the single pipeline from DWSD. In the last ten years, the water treatment plant was used as an emergency backup during two weeks in 2009: June 18 through June 20 and September 10 through September 13.

As a backup emergency water treatment plant, the City was required to operate the water treatment plant quarterly to demonstrate the capability to produce drinking water in accordance with Act 399 and to keep mechanical equipment (such as valves, rubber seals, etc.) in good working order. Each quarter, the water treatment plant was test run and samples were taken of both raw water and finished water (post-filters). Since the water treatment plant was upgraded in the early 2000s, monitoring showed that the water treatment plant was performing as designed.

Contractual obligations with DWSD did not allow treated water to be put into the City's distribution system during these test runs. Treated water was discharged to the Flint River in accordance with a National Pollutant Discharge Elimination System (NPDES) Permit. The test runs were for demonstration purposes, to keep the water treatment plant operational, and staff familiar with operation in the event it was needed in an emergency.

2. What State and Federal laws or rules exist to ensure safe drinking water is provided to City residents?

The federal Safe Drinking Water Act (federal SDWA) is the primary law that ensures the quality of Americans' drinking water. Under the federal SDWA, the United States Environmental Protection Agency (USEPA) sets standards for drinking water quality and oversees the states, localities, and water suppliers who implement those standards.

The federal SDWA was originally passed by Congress in 1974 to protect public health by regulating the nation's public drinking water supply. The law was amended in 1986 and 1996 and requires many actions to protect drinking water and its sources: rivers, lakes, reservoirs, springs, and ground water wells. (The federal SDWA does not regulate private wells which serve fewer than 25 individuals.)

Originally, the federal SDWA focused primarily on treatment as the means of providing safe drinking water at the tap. The 1996 amendments greatly enhanced the existing law by recognizing source water protection, operator training, funding for water system improvements, and public information as important components of safe drinking water. This approach ensures the quality of drinking water by protecting it from source to tap.

The most direct oversight of water systems is conducted by state drinking water programs. States can apply to the USEPA for "primacy," - the authority to implement the federal SDWA within their jurisdictions - if they will adopt standards at least as stringent as the USEPA's and enforce those standards. Michigan adopted the Safe Drinking Water Act in 1976 through Act 399 and has maintained primacy for the program since that time.

3. What is the USEPA's role as a regulatory agency in implementing the SDWA?

Federal and state governments share responsibility for administering drinking water programs. Under the federal SDWA, the USEPA is given the responsibility for developing national standards and regulations that apply to the nation's public drinking water systems and enforcing those standards, by working with states.

Michigan's drinking water program is evaluated annually by the USEPA for compliance with the federal SDWA. Based upon these evaluations, the USEPA continues to find Michigan's drinking water program to be compliant with the federal SDWA.

4. What is the Michigan Department of Environmental Quality's (DEQ) role as a regulatory agency in implementing the SDWA?

The federal SDWA permits states to accept oversight of the drinking water program under an agreement with the USEPA giving states primary enforcement responsibilities (or primacy). In addition to this delegation of federal authority to the states, states also have the power to create additional regulations and programs governing drinking water suppliers through their own legislative and regulatory processes. Michigan has had regulatory authority of public water supplies since 1913 (Waterworks and Sewerage Systems, 1913 PA 98).

The DEQ has been granted primary enforcement authority in Michigan for the federal SDWA under the authority of Act 399. As such, the DEQ, Office of Drinking Water and Municipal Assistance, has regulatory oversight for all public water supplies, including approximately 1,400 community water supplies and 10,000 noncommunity water supplies. A community water supply provides year-round service to 15 or more living units (homes, apartments, dorm rooms, etc.) or 25 or more residents. A noncommunity water supply has 15 or more service connections or serves 25 or more individuals on an average daily basis for not less than 60 days per year.

The DEQ engages in a variety of activities to help water systems remain in, or return to, compliance. These activities include: conducting surveillance visits (inspections) at water systems and reviewing facilities, equipment, and operations; requiring the submission of plans and specifications for waterworks system improvements and issuing construction permits; providing for the training, examination, certification and regulation of persons operating water supplies; helping systems incorporate preventive measures; and since 1996, providing financial assistance for system improvements.

5. What is the City's role in implementing the federal SDWA and Act 399?

State and federal programs develop regulations and perform oversight and compliance activities, but do not treat or deliver water to customers. At the local level, public and private water utilities collect, treat, and deliver drinking water to consumers in compliance with state and federal regulations.

The federal SDWA and Act 399 set up multiple barriers against contamination. These barriers include: source water protection, multiple treatment components, distribution system integrity, proper operations oversight, and public information. As the owner of a public water system, the City is responsible for knowing and following all requirements under Act 399, such as ensuring proper design, construction, operations and maintenance, so that contaminants in tap water do not exceed the standards established by law. The City treats the water, and must test its water routinely for specified contaminants and report the results to the DEQ. If a water system is not meeting these standards, it is the water supplier's responsibility to notify its customers.

The federal SDWA and Act 399 recognize that customers have the right to know what is in their drinking water and where it comes from. The City, like all water suppliers, must notify consumers when there is a problem with water quality.

The City submits samples of its water for laboratory testing (monitoring) to verify the water it provides to residents meets all federal and state standards. How often and where samples are taken varies from system to system and from contaminant to contaminant. The DEQ provides an annual monitoring schedule to the City setting forth these requirements.

In addition, the City is required to employ properly certified water operators that are trained and experienced to operate the treatment and distribution systems associated with the City's water system.

6. What approvals were needed from the DEQ in order for the City to begin using its water treatment plant full time?

The City had long ago been issued construction permits for raw water pumps to withdraw water from the Flint River and the City was grandfathered under the water withdrawal program (Part 327, Great Lakes Preservation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended), as were all existing community public water systems at that time. There were no additional DEQ

permissions or authorizations required under Act 399 because the City already had approval to use the water treatment plant.

Under Act 399, there are no licenses or permits required to operate public water systems. The City did apply for and obtained two construction permits prior to the water treatment plant changing from an emergency backup plant to full-time operation. These permits were for new chemical feed equipment, changes to the electrical service, etc.

III. THE FLINT RIVER – IS IT A SAFE SOURCE OF DRINKING WATER?

Seventy-five percent of Michigan's population served by a public water supply receive their drinking water from surface water sources, the majority of which is withdrawn from the Great Lakes. However, several public water supplies in Michigan utilize water from inland rivers. All surface water sources require significant treatment in order to be safe for consumption.

While all surface water sources must receive a high level of treatment, inland river sources present a greater challenge than water withdrawn from one of the Great Lakes because of rapidly changing water quality conditions. Under most circumstances, rivers are prone to greater fluctuations in temperature, have higher amounts of organic material, greater turbidity (suspended solids), and are more vulnerable to microbiological and viral contamination than Lakes Huron, Erie, Michigan or Superior. While the water chemistry in the Flint River differs from that in Lake Huron, it can still be treated in accordance with the federal SDWA and Act 399. The waterworks industry has the technology to treat wide ranging source waters to provide potable and palatable drinking water, including direct reuse of treated wastewater. Regardless of source water quality, all public water systems must comply with the same drinking water standards in the finished water.

It is not the source water that reacts with the homeowners plumbing in the distribution system, but rather the finished water quality that is important. Treated water leaving the City's water treatment plant does not contain lead. In addition, the treatment process employed by the City includes lime softening to reduce the hardness in the river water. The City includes lime softening and pH adjustment primarily to improve aesthetic water quality associated with hardness. Lime softening is not a process that water supply professionals would expect to increase corrosivity of water. The City, however, does practice recarbonation to readjust pH at the end of the softening process.

pH levels of finished water leaving the City's water treatment plant averaged 7.7. Expanded water monitoring conducted quarterly at 25 sample sites located throughout the distribution system showed the following:

July – September 2014	average pH = 7.71	range: 7.56 – 7.86
October – December 2014	average pH = 7.88	range: 7.62 – 8.10
January – March 2015	average pH = 7.81	range: 7.60 – 7.99
April – June 2015	average pH = 7.63	range: 7.48 – 7.80

The data below was obtained at ten of the sampling locations throughout the City's distribution system, while they were still purchasing water from DWSD before the City switched to the Flint River as a source:

January – March 2014 (DWSD)	average pH = 7.47	range: 7.40 – 7.54
April 2014 (DWSD)	average pH = 7.49	range: 7.42 – 7.59

Note that the pH of the treated water produced while the City was using the Flint River did not differ significantly from pH values seen in the distribution system during the time the City purchased water from DWSD. Thus, pH monitoring provided no indication of a change in water corrosivity.

IV. *E. COLI* AND TOTAL COLIFORM BACTERIA VIOLATIONS

1. What caused the *E. coli* and total coliform bacteria violations experienced by the City in August and September 2014?

A number of factors, primarily related to distribution system operation and maintenance, likely contributed to the Boil Water Advisories in the City during August and September 2014 triggered by exceedances of bacteria standards in limited areas of the distribution system. In addition, the coliform detections were confined to less than 20 percent of the water system. Had the detections been the result of a failure in treatment, detections would have been expected throughout the City rather than in such a limited geographic area.

Instead, the violations seem to have been caused by other factors such as aging infrastructure. The City's water distribution system has suffered from a lack of infrastructure investment and asset management. Most of the City's over 550 miles of water mains are now over 75 years old, and constructed of unlined cast iron piping. This cast iron pipe is subject to tuberculation, which thins and weakens the pipe walls in some areas and causes a buildup of sediment and debris on the pipe walls in other areas. Tuberculation can lead to water quality issues as well as reduced flows and pressures. Tuberculation also encourages the development of biofilms. Biofilm growth may occur more frequently in areas where little or no disinfectant is maintained.

The City has also experienced decades of a declining customer base and water use, with vacant homes, commercial businesses, and industrial property. Declining water use leads to excess residence time (water age) within the City's distribution pipes and water storage facilities, accelerating tuberculation, biofilm growth, and reductions of disinfectant concentration in the distribution system. While the City has recently seen an infusion of funding for blight removal, contractors using fire hydrants to complete this work have been known to cause hydraulic disturbances that dislodge and suspend settled debris, which may contribute to the bacterial contamination. These hydraulic disturbances were also believed to be a source of the aesthetic water quality complaints both the City and the DEQ were receiving.

The winter of 2013-2014 was also one of the coldest experienced by the water system. The City, which historically has unaccounted water losses of over 30 percent, saw even greater losses since February 2014 due to an increase in cold weather-related water main breaks and leaks (City personnel reported 400 water

main breaks in calendar year 2014, with greater than 50 percent in the winter quarter). The City has also been lacking a formal maintenance program for its more than 7,250 valves, which are critical in limiting the areas impacted during water main repairs. As an example, two valves on the transmission line used to supply the area of the 2014 Boil Water Advisories were found to be closed during the City's investigation of possible sources, causing much longer residence times, reduced disinfectant concentrations, and reduced pressures – all potential avenues for contamination to enter a distribution system.

The Boil Water Advisories also occurred during the warmest and relatively wet periods of August and September 2014. Warm weather conditions are not only more conducive to bacterial growth but also degrade disinfectant concentrations more quickly. As already explained, longer residence times, biofilms, and tuberculation contribute to lowered disinfectant concentrations. Warm, wet weather conditions also allow water contaminated with bacteria to accumulate or pond around piping that leaks and breaks.

During the summer of 2014, the City was actively repairing the distribution system (City personnel reported 29 water main breaks in June through August 2014). After the switch to the Flint River, it was discovered that there were many broken or closed valves in the distribution system (City personnel reported 120 broken valves and 239 valves in an improper position). As the City began correcting these problems, they did detect the presence of coliform organisms in the distribution system in testing conducted as a result of the repairs. This sporadic detection is not an unusual occurrence. Many communities have experienced similar issues when significant repairs are made in the system and/or they suffer water main breaks and localized pressure losses.

2. How were the violations detected? What was the DEQ's response?

Federal SDWA regulations regarding monitoring and standards for bacteria in water distribution systems are incorporated into Act 399. There are a variety of bacteria, parasites, and viruses which can potentially cause health problems if humans ingest them in drinking water. Testing water for each of these potential pathogens would be difficult and expensive. Instead, community water systems are required to test monthly for total coliform and *E. coli*. Total coliform bacteria, while not pathogenic, often originate from the same sources as many pathogens. Therefore, the presence of total coliform in drinking water indicates there may be a pathway for pathogens or other contaminants to enter the system. The absence of total coliforms in the distribution system indicates a minimal likelihood that pathogens are present. *E. coli* is itself a pathogen and its detection is considered direct evidence of a health risk.

The Boil Water Advisories which occurred in the City were associated with bacteria monitoring detections and violations of bacteria standards. These advisories were issued by the City after consultation with the DEQ.

Upon receiving information indicating total coliform and *E. coli* bacteria had been detected, the DEQ advised the City to issue a Boil Water Advisory from August 15 through 20, 2014, for the affected portion of the City. Another Boil Water Advisory was issued from September 5 through 9, 2014, due to localized detections of total

coliform bacteria in the same and adjacent portions of the City. The advisories covered an area of less than 20 percent of the water department's service area.

Once a Boil Water Advisory has been issued, time is needed to investigate potential causes and implement corrective measures. The larger the water system, the more time this may take. Once corrective measures have been taken, samples must be collected and analyzed to confirm that bacteria are no longer present. Under approved analytical methods used by the City, samples must be incubated for 24 hours before results can be obtained. In situations where the bacterial contamination has been confirmed, two consecutive rounds of safe samples collected at least 24 hours apart are normally obtained before canceling a Boil Water Advisory. Adding each of these steps together, a normal response period to rescind a Boil Water Advisory under these circumstances would be expected to take 3 to 4 days.

V. TOTAL TRIHALOMETHANES (TTHM) VIOLATIONS

1. What caused the TTHM violations experienced by the City beginning in late summer 2014?

Disinfectants are an essential element of drinking water treatment because of the barrier they provide against waterborne disease-causing microorganisms. However, disinfection byproducts form when disinfectants used to treat drinking water react with naturally occurring organic materials in the water (e.g., decomposing plant material). The formation of disinfection byproducts continues to occur as water travels throughout water distribution systems.

A major challenge for water suppliers is how to provide protection from pathogens while simultaneously minimizing health risks to the population from disinfection byproducts. Total Trihalomethanes (TTHM – chloroform, bromoform, bromodichloromethane, and dibromochloromethane) and halogenated acetic acids (HAA5 – monochloro-, dichloro-, trichloro-, monobromo-, dibromo-) are widely occurring classes of disinfection byproducts. The amount of TTHM and HAA5 in drinking water can change depending on the season, water temperature, amount of chlorine added, the amount of plant material in the water, and a variety of other factors. All community water systems that chemically disinfect or purchase water that has been chemically disinfected are required to monitor for disinfection byproducts.

The Flint River has higher levels of organic material than water in the Great Lakes and as a result, the water produced by the City developed higher disinfection byproducts than the water purchased from DWSD. Because the water treatment plant was previously operating intermittently, it was not possible to predict disinfection byproduct levels at distribution system compliance points until the City began relying on its water treatment plant continuously.

As mentioned previously, the City became aware that there were numerous broken valves and closed valves that should have been open in the distribution system. At that time, the City also began a mapping effort to identify "water age" in the distribution system. The longer the residence time or "water age" the greater the opportunity for the formation of disinfection byproducts.

2. How were the violations detected? What was the DEQ's response?

Disinfection byproducts are monitored at eight sites throughout the distribution system. A locational running annual average is calculated for each individual site. Because TTHM and HAA5 maximum contaminant levels are calculated based on a running annual average at specific distribution system locations, the actual violation of the standard did not occur until the fall of 2014. However, because it was apparent in the summer of 2014 that the standard would eventually be exceeded; the DEQ asked the City to proactively implement measures to address the problem before the violation required them to do so.

As a result of maintenance efforts undertaken by the City to repair valves and correct improperly closed valves, the City was able to improve water flow in the distribution system and thereby reduce residence time or "water age" in the system. Operational changes made to reduce the amount of storage in the system also helped reduce residence time which contributed to a reduction in disinfection byproduct formation.

In addition to operational changes to minimize residence time in the distribution system, the City added granular activated carbon to its filters in July 2015. Levels of TTHMs and HAA5s were reduced and the City returned to compliance on September 1, 2015.

VI. THE TASTE, ODOR, AND COLOR COMPLAINTS RECEIVED BY FLINT

1. What caused the taste, odor, and color complaints received by the City from residents?

Taste, odor, and color issues are very personalized. While water leaving the water treatment plant did not have any unusual taste, odor or color; during the summer after the switch to the Flint River, customer complaints increased. Construction in the distribution system, hydrant flushing, and changes in flow characteristics are all known causes of disturbances within the distribution system that can cause an increase in taste, odor, and color complaints. Aesthetics, such as taste, odor, and color, while a concern, by themselves are not a threat to public health.

2. What was the DEQ's response?

The DEQ consulted with the City regarding these complaints. The City indicated that they were offering to investigate such complaints for anyone that had issues; but City personnel informed the DEQ that they were not able to recreate these situations in the field. In addition, as a result of the repair work that was underway and the increased flushing to reduce water age in the system to help control TTHMs, it was anticipated that there would be short-term disturbances in the system that would cause color and odor complaints. All water supplies are advised to provide notice to residents prior to undertaking a flushing program because flushing (even routine flushing) often causes temporary problems as described. Based on information from City personnel, it appeared that the complaints were related to such operational activities occurring in the distribution system.

VII. LEAD ISSUES IN THE FLINT DRINKING WATER

1. What causes lead in drinking water?

Lead is rarely found in source water. Lead enters tap water through corrosion of plumbing materials. Homes built before 1986 are more likely to have lead fixtures and solder. Older homes built prior to World War II are more likely to contain lead pipes. The most common problem with newer construction is with brass or chrome-plated brass faucets and fixtures which can leach significant amounts of lead into the water, especially hot water. The amount of lead in tap water also depends on the types and amounts of minerals in the water, how long the water stays in the pipes, the amount of wear in the pipes, the pH of the water, and its temperature.

2. What is the Lead and Copper Rule?

On June 7, 1991, the USEPA published a regulation to control lead and copper in drinking water. This regulation is known as the Lead and Copper Rule (also referred to as the LCR). The treatment technique for the rule requires systems to monitor drinking water at customer taps. If the 90th percentile for lead exceeds an action level of 15 parts per billion (ppb) or the 90th percentile for copper exceeds an action level of 1.3 parts per million (ppm), the system must undertake a number of additional actions to control corrosion. If the action level for lead is exceeded, the water supply must also inform the public about steps they should take to protect their health and the water supply may have to replace lead service lines under their control.

3. What is the lead action level?

For most contaminants, the USEPA sets an enforceable regulation called a maximum contaminant level based on the maximum contaminant level goal. Maximum contaminant levels are set as close to the maximum contaminant level goals as possible, considering cost, benefits, and the ability of public water systems to detect and remove contaminants at the water treatment plant using suitable treatment technologies. Because lead contamination of drinking water often results from corrosion of the plumbing materials belonging to water system customers, the USEPA established a treatment technique rather than a maximum contaminant level for lead. A treatment technique is an enforceable procedure or level of technological performance which water systems must follow to control a contaminant. Although the maximum contaminant level goal for lead is zero, based upon the above factors, the USEPA has established the action level for lead at 15 ppb.

The treatment technique regulation for lead requires water systems that produce drinking water to control the corrosivity of the water. The regulation also requires systems to collect customer tap samples from sites served by the system that are more likely to have plumbing materials containing lead. If the 90th percentile action level for lead is exceeded, then water systems are required to take additional actions including:

- Optimizing corrosion control treatment (for water systems serving greater than 50,000 people that have not fully optimized corrosion control).

- Educating the public about lead in drinking water and actions consumers can take to reduce their exposure to lead.
- Replacing the portions of lead service lines (lines that connect distribution mains to customers) under the water system's control.

4. Did DWSD have optimized corrosion control treatment?

After the LCR passed in 1991, DWSD and all of its consecutive customer systems conducted two rounds of monitoring for lead and copper. Copper levels were well below action level limits, but lead levels exceeded the action level of 15 ppb for DWSD and many of its customer communities. As a result, DWSD installed corrosion control treatment. DWSD performed a corrosion control study and concluded that they could reduce the corrosivity of the water by the addition of an orthophosphate, a corrosion inhibitor.

5. Did the DEQ require the City to have corrosion control in place when it switched to the Flint River as its source of drinking water?

No. There are two ways under the LCR to deem a water supply as providing "optimal corrosion control" – either by sampling and determining through a calculation that the supply is "optimal" or by installing treatment if it is needed. The DEQ requested that the City perform two 6-month rounds of monitoring to demonstrate if the City was practicing optimal corrosion control treatment. According to state regulations [R325.10604f(2)(b)(iii)], a system can demonstrate optimized corrosion controls by sampling in two, consecutive 6-month monitoring periods and comparing the results of this monitoring to the lead level in the source. Optimal corrosion control under this scenario would be defined as having the 90th percentile in each of these monitoring periods lower than the sum of the lead in the source and the practical quantification limit for lead of 5 ppb. Since the source water has 0 ppb lead, the City would have been deemed optimal if its 90th percentile of lead was 5 ppb or less in these two consecutive periods. However, once a system has installed treatment, it would also be considered optimized regardless of the 90th percentile level achieved, as long as it does not exceed the action level of 15 ppb.

In this case, the City had been purchasing water from DWSD that was treated for corrosion control. It was the DWSD water system that was considered as having optimized corrosion control at that point. Since the City water system had not been the supplier of water before, the DEQ did not require the City to maintain corrosion control for which it was not responsible [R325.10604f(2)(b)]. It could not "maintain" operations undertaken elsewhere by a different entity for a different source of water. The DEQ's instructions to the City were consistent with past practices afforded to all other large water systems. At the beginning of the LCR, all large systems were initially granted the option to demonstrate optimal corrosion control treatment through full-scale monitoring under the applicable rules. For these reasons, two 6-month rounds of monitoring, as required by the LCR, were the required means to determine whether or not optimal corrosion control was being achieved.

6. How does the DEQ calculate the 90th percentile?

To determine the 90th percentile of a list of lead or copper results, the procedure below is followed:

Step 1: Place lead or copper results in ascending order
Step 2: Assign each sample a number, 1 for lowest value
Step 3: Multiply the total number of samples by 0.9 – this yields the 90th percentile sample. For example: 20 samples x 0.9 = 18th sample. This is the 90th percentile level.

Calculating the 90th percentile is easiest when a supply collects 10 samples (or a multiple of 10). Note that the 90th percentile must be interpolated if the number of samples is not a multiple of 10.

7. What was the result of the first round of monitoring conducted by the City?

The first 6-month round of lead and copper monitoring conducted by the City ended on December 31, 2014. One hundred samples were submitted and the 90th percentile lead level was calculated to be 6 ppb. The next step required by the DEQ was for the City to collect a second round of monitoring.

8. What was the result of the second round of monitoring conducted by the City?

The second 6-month round of lead and copper monitoring conducted by the City ended on June 30, 2015. Sixty-nine samples that complied with the site selection criteria were submitted and the 90th percentile lead level was calculated to be 11 ppb. The conclusion from these results was that the City, while in compliance with the action level, exceeded the level required to be deemed as having optimized corrosion control.

9. Why was the City required to collect 100 compliance samples for lead and copper in the first 6-month monitoring period of July through December of 2014 and then only 60 compliance samples in the second 6-month period of January through June of 2015?

The number of compliance samples required for lead and copper is based upon the population served by the water system as identified in the table below, taken from Rule 325.10710a of Act 399.

Supply Size (Number of People Served)	Number of Sites (Standard Monitoring)	Number of Sites (Reduced Monitoring)
More than 100,000	100	50
10,001 to 100,000	60	30
3,301 to 10,000	40	20
501 to 3,300	20	10
101 to 500	10	5
Fewer than 101	5	5

The number of samples the City was required to collect in the first round of monitoring after they began relying on the Flint River was based on the 2010 census, which listed the City's population as more than 100,000 residents. In March of 2015, the City provided updated information that indicated the City's population had decreased to less than 100,000. Therefore, they were only required to collect 60 samples. There is no rule prohibiting the collection of additional compliance samples – only establishing a minimum number necessary.

10. What actions did the DEQ order the City to undertake after the second round of monitoring?

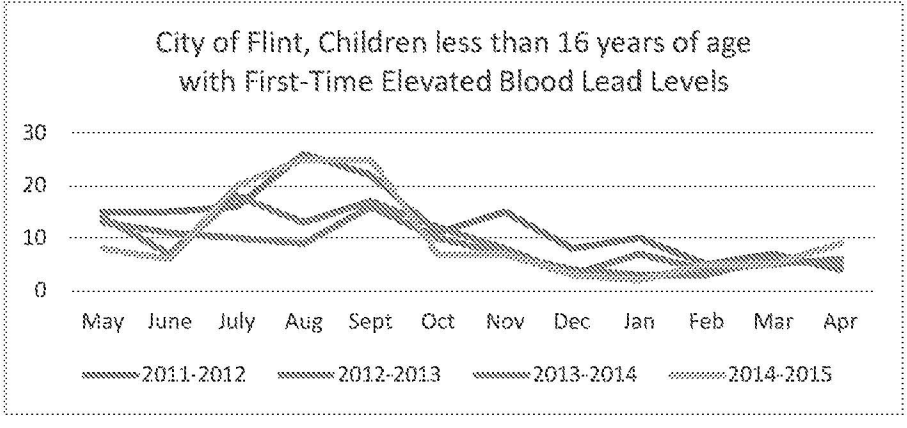
While the City's LCR compliance monitoring continued to meet action level requirements, the City exceeded the level required to be deemed as having optimized corrosion control. Following receipt of the City's compliance monitoring results, the DEQ sent a letter on August 17, 2015, requiring the City to install corrosion control treatment.

Under the LCR, the City has 6 months to let the DEQ know whether it intends to conduct a study, then 18 months to perform the study and make its recommendation, and 24 months to complete installation of the selected corrosion control. The DEQ requested the City accelerate this schedule. The City submitted plans and specifications to install corrosion control treatment and a construction permit was issued by the DEQ on October 28, 2015. The City is in the process of installing the necessary equipment and procuring the appropriate chemicals. Treatment is expected to be on-line by the end of November 2015. As of October 16, 2015, the City resumed purchasing water from DWSD that is already optimized and provides a corrosion inhibitor. The additional treatment by the City will further enhance the amount of inhibitor in the system.

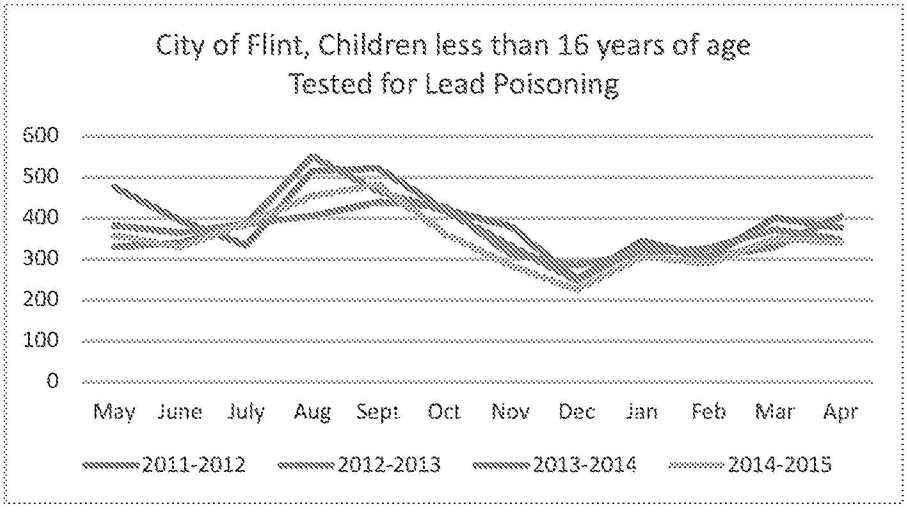
11. What had Michigan Department of Health and Human Services (DHHS) advised the DEQ regarding blood lead levels prior to the DEQ ordering the City to implement optimized corrosion control?

In an e-mail dated July 28, 2015, regarding blood lead testing, the Michigan DHHS indicated that they:

> "…compared lead testing rates and lead testing results to the same time frame for the previous 3 years, to see if there were any patterns that suggested that there were increased rates of lead poisoning after the water supply was switched. Per the attached charts –
>
> • Lead testing rates remained about the same from year-to-year…



- There was a spike in elevated blood lead tests from July-September 2014…



- However, that pattern was not terribly different from what we saw in the previous three years; especially in 2011-2012 (we are working with our Epidemiologist to statistically verify any significant differences).

- We commonly see a 'seasonal effect' with lead, related to people opening and closing windows more often in the summer, which disturbs old deteriorating paint on the windows, sills and sashes. Window fans frequently blow and spread the lead dust from the deteriorating paint to other parts of the room/house. We suspected that the summer data spike may be related to this effect.

- If the home water supply lines and/or river water were contributing to elevated blood lead tests, we expected that the increased rates would extend beyond the summer, but they drop quite a bit from September to October, stayed low over the winter, and are just starting to tail up again in the spring of 2015."

This e-mail from DHHS in concert with the completion of two 6-month rounds of lead compliance sampling data indicating that the City had not exceeded an action level for lead provided the basis for the DEQ to maintain that the water in the City continued to be in compliance with the federal SDWA and Act 399.

12. When did the DEQ first become aware of allegations of elevated blood levels being detected in certain children?

The DEQ was notified on August 23, 2015, by a professor from Virginia Tech that "over the next few months we will be studying Flint water quality issues…" Results indicating elevated lead levels in homes were reported as part of this study in late August. In September 2015, information was reported in news articles that

pediatricians in the City had data suggesting an increase in children's blood lead levels in two zip codes in the Flint area.

Prior to these dates, the City had already completed the required two 6-month rounds of monitoring and the DEQ had made a determination that the City must install corrosion control treatment as documented in correspondence dated August 17, 2015.

VIII. QUESTIONS RAISED REGARDING THE DEQ'S ACTIONS

1. **What was the DEQ's response to the USEPA's inquiry in February 2015 regarding the optimized corrosion control treatment being implemented by the City under the LCR?**

   The DEQ indicated that the City was complying with the LCR, the lead 90th percentile level was below the action level of 15 ppb, and the City was already conducting the second round of monitoring which would provide for a determination of whether additional treatment needed to be installed. It should be noted that once treatment is designated as optimal, there is no requirement in the LCR that lead results be lower than they were before treatment was installed. The 90th percentile only needs to be lower than the action level in the LCR.

2. **Did the DEQ attempt to mislead the USEPA in a February 27, 2015, e-mail responding to the USEPA's inquiry regarding Optimal Corrosion Control Treatment?**

   No. There was no attempt by the DEQ to mislead the USEPA. There is an e-mail from Steve Busch, Jackson and Lansing District Supervisor, Office of Drinking Water and Municipal Assistance, indicating that the City was practicing a corrosion control program. What was meant was that the City was performing the required monitoring to determine whether or not they were practicing optimized corrosion control. The DEQ subsequently clarified its position in follow-up e-mails and telephone conversations with the USEPA.

3. **When General Motors announced its intent to terminate water service from the City and purchase water from Genesee County, should this have been a sign that there were concerns with the quality of the water after the switch to the Flint River?**

   No. General Motors made a decision regarding the quality of water for its manufacturing processes. At the time, the company indicated that the chloride levels were above limits acceptable as part of the manufacturing facility's limit for production purposes. The level of chlorides in the water treated by the City was not a human health or aesthetic concern.

   Chloride does have a secondary maximum contaminant level established by the USEPA, not for health-related concerns but rather for taste and aesthetic concerns. Concentrations greater than the secondary maximum contaminant level of 250 milligrams per liter (mg/l) become objectionable due to taste. According to the City's records, the chloride concentration in the Flint River water is generally about 45 mg/l and the treated water chloride concentration leaving the water treatment

plant ranges between 55 and 65 mg/l. It should be noted that the City uses ferric chloride as its primary coagulant, although this does not add a significant amount of chloride to the finished water.

4. Has the USEPA subsequently admitted that the LCR is subject to differing interpretations such as that presented by the DEQ?

Yes. On November 3, 2015, the USEPA issued a memorandum regarding the "Lead and Copper Rule Requirements for Optimal Corrosion Control Treatment for Large Drinking Water Systems". This memorandum addresses concerns raised about the application of the LCR, specifically the requirements pertaining to maintenance of optimal corrosion control treatment, in situations in which a large water system ceases to purchase treated water and switches to a new drinking water source. The USEPA states that this type of situation rarely arises, that the language of the LCR does not specifically discuss such circumstances, and that there are differing possible interpretations of the LCR with respect to how the rule's optimal corrosion control treatment procedures apply to this situation. The memorandum is intended to clarify, on a prospective basis, steps agencies should take or apply in the future. USEPA's new guidance provides acknowledgement that the LCR is subject to differing interpretations. The DEQ's interpretation and application of the LCR in this situation was in compliance with the federal SDWA and Act 399.

5. Did the DEQ reject any of the samples submitted by the City?

Yes, samples at two locations were excluded from the compliance calculation in conformance with rules issued by the USEPA.

According to the LCR, compliance samples must be a first draw, 1-liter sample collected from a cold water, kitchen or bathroom tap after the tap has stood unused for not less than 6 hours. Federal and state rules require community public water systems to identify a pool of targeted high-risk sampling sites, called Tier 1 sampling sites. For a municipality such as the City, the Tier 1 sampling pool must consist of single family structures that are:

- served by a lead service line,
- contain lead pipes, or
- contain copper pipes soldered with lead installed after 1982 but before Michigan enacted the ban on solder containing high concentrations of lead (June, 1988).

As long as a community has Tier 1 sites that contain lead service lines, they are required to collect at least 50 percent of their compliance samples from these lead service line sites. Finally, federal and state rules specify that "Sampling sites may not include faucets that have point of use or point of entry treatment devices designed to remove inorganic contaminants." Such treatment devices include home softeners, iron filters, etc. Samples collected from multiple family residences, commercial buildings, institutional facilities, or single family structures with point-of-use or point-of-entry treatment can only be used if the community has insufficient Tier 1 sites available.

One of the samples submitted by the City was excluded from the 90th percentile compliance calculation in the latest monitoring period because it was taken from a tap at a non-residential site (non-Tier 1). The other sample result that was excluded was collected from a single family home that has a whole house treatment system. Both of these sites are, therefore, excluded from the compliance consideration based upon federal and state rules.

6. Did the DEQ review the information submitted by the City to ensure all samples were from Tier 1 sites?

Yes. The DEQ examined the information submitted and certified by the City that its LCR compliance monitoring sites consisted entirely of Tier 1 criteria sites, which met the requirements of this rule to maximize sampling of high-risk targeted sites.

During the initial implementation of the LCR approximately 25 years ago, water supplies were required to complete a materials evaluation of their distribution system to identify a pool of targeted, high-risk sampling sites. These sites were to be categorized into one of three Tiers (1, 2, or 3) based on risk. The DEQ created an LCR reporting template for water systems to identify each compliance sampling site by Tier, service line material, and building plumbing material.

If a water system has sufficient Tier 1 sites, they are required to sample them before using any lower Tier sites. Furthermore, if they have sufficient sampling sites with lead service lines, they are required to use them to make up at least 50 percent of their sampling pool each monitoring period. Water supplies are also required to use the same sampling sites each time or explain on their LCR reporting form why they were unable to do so. Finally, the water system is required to certify all of the information they provide on the LCR reporting form is factual.

The DEQ must rely upon the public water system to identify appropriate sampling sites for LCR monitoring. The DEQ public water supply program has no control or authority over service lines or domestic plumbing. As a result, we have no records on construction standards or materials used by customers for these components. If these records exist, they are kept by plumbing code enforcement officials.

In 2015, City employees again certified that the information submitted on their LCR monitoring reports for the two 6-month rounds of monitoring conducted after they began treating the Flint River were accurate, and DEQ staff review of that information indicated it was in compliance with the monitoring requirements. The DEQ had no reason to question the validity of the City's reports until the DEQ heard City employees revealing to the media that the City did not know for certain if its compliance monitoring was collected from homes with lead service lines. As a result, the DEQ began to investigate the City's monitoring sites. As the City began to transfer its customer information to electronic records, the DEQ determined from the information available that a significant number of these sites that had been listed as having lead service lines either did not have them or the information was unavailable. On November 9, 2015, the DEQ notified the City in writing that it would be necessary to conduct a complete assessment of its sampling pool and report back its findings by December 30, 2015. The DEQ is now awaiting the City's response.

7. Did the DEQ believe the levels of lead found at 212 Browning in April 2015 were indicative of a system-wide problem?

High levels of lead were collected in samples taken from this residence. It was determined to be coming from an unusually long lead service line. For some reason, this home was not connected to the water main that ran in front of the house, but rather to a main located on a street several houses away. The City replaced the lead service line May 6, 2015. Since the internal plumbing of the house is plastic, it was believed that replacement of the lead service line would resolve the problem, and subsequent sampling taken at this address showed that replacement of the service line did mitigate the problem. There was, therefore, no reason to believe that this was indicative of a system-wide problem.

8. Do the DEQ's sampling instructions comply with the LCR?

The DEQ continues to seek official clarification from the USEPA regarding the sampling protocols. The DEQ's sampling recommendations were developed to ensure compliance with the USEPA's guidance provided in the preamble to their lead and copper regulations that said that household use should be "typical" for a residential customer on the day before sample collection for lead and copper. Early in the implementation of the LCR, the DEQ had encountered too many situations where compliance samples had been collected from kitchen and bathroom taps that had not been used in days and in some cases, even weeks, resulting in excessively stagnated water and correspondingly high lead levels that did not represent typical exposure expected after overnight stagnation. To incorporate these results into further regulatory decision making could have led to actions that were not indicative of a true public health threat. Further complicating this issue was the USEPA's direct implementation of the LCR in Washington, D.C., where it was learned that some "valid" lead results were not always being included in compliance calculations. Subsequently, the USEPA made invalidation of samples for any reason much more difficult. In order to ensure samples were taken at customer taps representative of typical use, the DEQ devised the current recommendations for ensuring appropriate but not excessive stagnation for LCR monitoring.

The DEQ continues to believe it is appropriate to ensure that taps being sampled are representative of typical household use and are sampled during the recommended stagnation period of 6-18 hours. The LCR does not say the result should represent the "absolute worst case" condition – it talks about sampling the highest risk locations (lead plumbing, lead service lines, high lead content solder piping, etc.) after overnight stagnation and then collecting a first draw sample so as not to flush elevated lead from that tap at that point in time. There are a number of other states that share the DEQ's interpretation of the rule and the DEQ encourages the USEPA to provide official clarification directed at all states with primacy.

9. Does the DEQ require the use of small-neck bottles to obtain samples?

No. The DEQ does not mandate the use of small-neck bottles; it is the sampling method that is specified in both the federal SDWA and Act 399. Each certified drinking water laboratory provides bottles to their customers upon request for any particular analysis in accordance with the specifications in the SDWA. The bottles provided by the DEQ Drinking Water Laboratory for a lead and copper corrosion control sample meet these requirements.

From: Baird, Richard (GOV)
Sent: Thursday, November 26, 2015 12:51 PM
To: Murray, David (GOV)
Cc: Ken Sikkema
Subject: RE: You may want to invite this lady to your 12/2 meeting to show her your task force is transparent

I think they need videographer and editing for future posting. Larry's request has not yet been discussed by the TF which is why I only cc'd chair Sikkema.

Sent from my Verizon Wireless 4G LTE DROID
On Nov 26, 2015 11:46 AM, "Murray, David (GOV)" <MurrayD1@michigan.gov> wrote:

Absolutely. Whatever the task force wants. Happy to help.

Can I get some of the specifics about what it wants me to convey?

From: Baird, Richard (GOV)
Sent: Thursday, November 26, 2015 12:43 PM
To: Murray, David (GOV) <MurrayD1@michigan.gov>
Cc: Ken Sikkema <ksikkema@pscinc.com>
Subject: Fwd: You may want to invite this lady to your 12/2 meeting to show her your task force is transparent

Could we get some social media support for this if Task Force sees it as advisable? Dec. 2.

Rich

Sent from my Verizon Wireless 4G LTE DROID

---------- Forwarded message ----------
From: Lawrence Reynolds <lrey52@gmail.com>
Date: Nov 26, 2015 9:03 AM
Subject: Fwd: You may want to invite this lady to your 12/2 meeting to show her your task force is transparent
To: Base Camp Email <[redacted]>,"Scorsone, Eric" <[redacted]>,Chris Kolb <[redacted]>,Ken Sikkema <[redacted]>,Matt Davis <[redacted]>,Eric Rothstein <[redacted]

[redacted] "Baird, Richard (GOV)" <bairdr@michigan.gov>
Cc:

Happy Thanksgiving all.Looks like there is sneed for a media update.

You may hear some grumbles about the pre-registration requirement for the Listening Session 12/2 at Mott.This was based on logistical considerations - availability, cost, safety and secure parking.Also , to give 40 people 2-3 minutes to speak will require 80-120 minutes time and this does not lend itself to an open town hall meeting format if we are going to effectively listen to and discuss with participants.

I would suggest that we use funds to record and transcribe these session and a video of it be available on a website ,open to the public.See below.

We will need some help with hosting ,identifying speakers, bringing the microphone to them , registration , etc .Would this be a role for MSU ? This group should make an effort to reflect the diversity of Flint.

For video recording ,consider Paul Herring , SpectacleProductions, 405 University Blvd ,Flint, [redacted], [redacted] cell 810-239-2901 office

www.spectacleproductions.com .

If we have more registrants than space , we can put them on the list for subsequent meetings which must occur in a timely manner.

If we consider other sites, consider the requirements for public buildings in regard to open meetings.

It may be time to officially contact Mayor Weaver about our plans and suggest to the Governor that we need an official representative to clarify our role and our intent to not conflict with the Mayor's public meetings.Perhaps , we need to be available to attend some of her meetings to listen also.

Finally, our electrical power was shut off for maintenance that had to be completed before freezing weather so phones and computers were down. We will be open for business Monday 12/30.

We are operating on a tight timeline and will need more resources and some media support to reflect the Governor's concern adequately to the citizens of Flint.

---------- Forwarded message ----------
From: **Lawrence Reynolds** <[redacted]>
Date: Thursday, November 26, 2015
Subject: You may want to invite this lady to your 12/2 meeting to show her your task force is transparent
To: Kirk Smith <ksmith@flint.org>

I agree with most of her statements and I hope her organization will vigorously share their position with the Governor and the legislature.It is true that the Flint Water Advisory Task Force has a much more limited scope as an advisory body and has no legal authority.I hope Common Cause will also do a legal analysis of the emergency manager laws ,policies ,and procedure and inform the public.

On Wednesday, November 25, 2015, Kirk Smith <ksmith@flint.org> wrote:

> Here is a link to her phone number:

http://www.commoncause.org/states/michigan/about/staff-directory/

Sorry for the duplicate emails, I just don't like how she lumped you and your task force into the "other" bucket.

From: Kirk Smith <ksmith@flint.org>
Date: Wednesday, November 25, 2015 at 11:54 AM
To: Lreynolds <[redacted]>
Subject: You may want to invite this lady to your 12/2 meeting to show her your task force is transparent

See the link:

http://www.mlive.com/opinion/index.ssf/2015/11/whats_behind_state_government.html#incart_river_home

I can't imagine she picked up the phone to call you or the other four people before she wrote this?

Kirk

--
Lawrence Reynolds

--
Lawrence Reynolds

From: Baird, Richard (GOV)
Sent: Thursday, December 10, 2015 11:29 AM
To: Chris De Witt
Subject: Fwd: FWATF Proposal
Attachments: Pub_204_Local_Support_Plan_Guide_366759_7.docx

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov>
Date: Dec 10, 2015 10:50 AM
Subject: FWATF Proposal
To: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Cc: "Etue, Kriste (MSP)" <EtueK@michigan.gov>,"Clement, Elizabeth (GOV)" <clemente@michigan.gov>,"Gorski, Gary (MSP)" <GorskiG@michigan.gov>

Rich

I have located $25,000 to assist in paying for the FWATF communications needs. I would like added to the scope of work for them to update the Local Emergency Operations Support Plan (Pub 204) and train and exercise the plan with appropriate personnel. I attached the template we provide locals to use in developing the plan. Flint has a plan in place but with everything going on and based on interactions recently I am not convinced it is followed or if they even know about it. I am certain the new Mayor is not aware of the Local Support Plan.

Please let me know if you need additional on this or have questions.

Chris

Capt. Chris A. Kelenske

Deputy State Director/Commander

Emergency Management and Homeland Security Division

Michigan State Police

4000 Collins Road

Lansing, MI 48910

(517) 333-5042

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY."

JOIN THE MSP

MSP/EMSHD Pub. 204
September 2015
Emergency Management and Homeland Security Division
Michigan Department of State Police

SUPPORT EMERGENCY OPERATIONS PLAN GUIDE

A GUIDE TO ASSIST MUNICIPALITIES INCORPORATED INTO THE COUNTY EMERGENCY MANAGEMENT PROGRAM TO DEVELOP A SUPPORT EMERGENCY OPERATIONS PLAN.

TABLE OF CONTENTS

Introduction to the Guide 1

Purpose 1

Scope 1

Maintenance 1

Developing the Plan 1

Plan requirements 1

Plan format 2

Planning process 3-4

Emergency Management Resolution 4

Attachments:

Attachment A: Sample Emergency Management Resolution 5

Attachment B: Sample Support Emergency Operations Plan 12

INTRODUCTION TO THE GUIDE

I. Purpose

This document is designed to serve as a guide for municipalities with a population of 10,000 residents or above that have elected to incorporate into the County Emergency Management Program and need to develop a Support Emergency Operations Plan (EOP) following the Administrative Rules for Section 19, 1976 PA 390, as amended. In accordance with these rules, the Support EOP shall be consistent with the County Emergency Operations Plan and will become part of the county plan.

The preparation of a Support EOP will increase emergency preparedness through the definition of the responsibilities of local departments and agencies. The plan assigns tasks that need to be accomplished when an incident occurs, and describes how local and county emergency management efforts are related. Maintaining a current Support EOP also establishes eligibility to receive Section 19 funding in accordance with Section 19 of 1976 PA 390, as amended. If federal assistance does not become available after the Governor has declared a State of Disaster or Emergency, affected counties and municipalities can be eligible to receive state assistance up to $100,000 or 10% of their operating budget, whichever is less, to cover certain disaster related expenses. To be eligible for Section 19 funding, municipalities with a population of 10,000 and above that do not maintain an independent emergency management program must develop and submit a Support EOP to the county, and implement that plan in a timely manner at the beginning of the incident.

II.Scope

This document provides basic guidance and a template for the development of a Support EOP. The template (Attachment B) contains general information that can be adapted to any municipality. The annexes specify how the municipality will carry out common emergency support functions.

Also included with this document is a sample Emergency Management Resolution (Attachment B) that appoints the County Emergency Management Coordinator as the Emergency Management Coordinator of the municipality, and outlines how emergency management efforts on the local level are organized in relation to the County Emergency Management Program.

If either template is used, it should be reviewed and adjusted to the specific needs of each municipality. Municipalities that do not utilize the templates can develop individual plans or resolutions. Other available guiding materials for the development of EOPs include MSP/EMSHD Pub 201 (Local Planning Workbook) and FEMA Comprehensive Preparedness Guide 101.

III. Maintenance

Pub 204 has been developed by MSP/EMHSD and is maintained to ensure compliance with current national planning standards and relevant state laws pertaining to emergency planning. This document was last updated in August 2015 and supersedes the October 2011 version. It will be updated every four years.

DEVELOPING THE PLAN

All stakeholders that are involved in the community response to emergencies and disasters should be involved in the development of the Support EOP. The County Emergency Management Program should work with the municipality to ensure that the plan is compatible with the County Emergency Operations Plan. A standardized planning approach can be used for the development of the Support EOP.

I. Plan requirements

The Administrative Rules for Section 19 of 1976 PA 390, as amended, establish four requirements for the development of Support EOPs. In accordance with these requirements, Support EOPs shall:

1. **Describe the relationship between the County Emergency Management Program and the municipality:**

The plan should state that the municipality has chosen to incorporate into the county program, coordinates emergency management related matters with the county program, and has assigned the County Emergency Management Coordinator as the responsible Emergency Management Coordinator for the municipality.

2. **Identify the municipality's response procedures in relation to the county response procedures:**
   The plan should establish annexes that describe common tasks that need to be accomplished when responding to an emergency or disaster, and assign responsibility for these tasks to municipal departments and other local agencies. The annexes should identify the responsible agencies on the local level that coordinate and share information with at the county level, and clarify joint responsibilities. Annexes in the Support EOP should also identify which annex or annexes they relate to in the County EOP.

3. **Be maintained in accordance with the standards and currentness of the county plan, be consistent with the county plan:**
   The efforts described in local and county plans should be consistent and complement each other. To maintain the Support EOP in currentness with the County EOP, updates to the local plan are necessary whenever the county plan is updated. When the County EOP is updated, the Support EOP should be revised to ensure that it is still compatible with the county plan.

4. **Contain the signature of the Chief Executive Official (CEO) of the municipality, be forwarded to the county:**
   After a new Support EOP has been developed or an existing plan has been updated, the signature of the CEO (Mayor, Township Supervisor) needs to be obtained. If a change of the CEO occurs, the plan needs to be reviewed and the signature of the new official obtained. After the plan is signed, a copy must be forwarded to the County Emergency Management Program, where it should be filed with the County EOP.

II. Plan format

The plan should consist of a Basic Plan section and functional annexes.

The Basic Plan defines the purpose of the plan, provides a community profile, identifies hazards and community vulnerabilities, and describes the relationship between municipality and the County Emergency Management Program.

The annexes identify specific emergency management and response tasks that need to be accomplished before, during and after an incident, and assign responsibility for carrying out these tasks to local agencies. Annexes should be organized by emergency response functions or tasked agencies and can be written in narrative or bulleted style. While municipalities are not required to mirror the format used in the county plan, this can be beneficial. The template included with this document uses a bulleted "Emergency Action Guidelines" format for its annexes.

III. Planning process

The following seven step planning process also utilized in County EOP development should be used to develop a Support EOP. For additional information on the process steps, please refer to MSP/EMSHD Pub 201 (Local Planning Workbook).

1. **Form a collaborative planning team:**
   The planning team is the group of individuals responsible for designing, developing, and implementing the Support EOP. It should include representatives from all agencies that are committed to participate in emergency response activities within the municipality. Other stakeholders that should be engaged in the planning process include representation from the municipality's executive office, the County Emergency Management Program, agencies that can provide insight into necessary accommodations for groups or individuals requiring Functional Needs Support Services (FNSS), schools, etc.

2. **Identify hazards and assess risks:**
The hazard analysis is the foundation upon which the municipality's emergency planning efforts should be built. It identifies conditions or situations that have the potential to cause harm to people or property in the community. The hazard analysis process involves four steps.

Step 1: A profile of the community is developed (demographic and economic make-up, geography and land-use, key facilities, etc.).

Step 2: The development of a community profile is followed by the hazard identification, which should start with a review of the County Hazard Analysis or Hazard Mitigation Plan. Local resources should then be used to identify further hazards that are unique to the community and might not have been included in county documents.

Step 3: The assessment of risks explores how likely it is that a risk will manifest itself in an incident, how often this might occur, where it might occur, and what the severity of impact would be. Hazards should be ranked based on the expected frequency of occurrence and severity of impact.

Step 4: The vulnerability determination examines how susceptible citizens, property, infrastructure and critical systems are to the identified hazards.

3. **Determine Goals and Objectives:**
Developing clear goals and objectives will help the municipality to identify problems, issues and opportunities. Establishing goals outlines the vision of what the community wants to achieve. Goals can be pursued in the long-term, but need to be achievable. Objectives are specific and measurable strategies to achieve these goals. Often, multiple objectives will need to be established to support one goal.

4. **Plan Development:**
This step describes the conceptualization of the plan, which includes the generation and comparison of alternate strategies to achieve the established goals and objectives. This involves two tasks: Developing and analyzing courses of actions to be conducted during an incident, and identifying the resources that determine the capability of the municipality to take these actions. Developing actions allows planners to depict how an operation unfolds by building and working through a portrait of a potential event, including key decision points and participant activities. This helps to identify actions that occur and resources that will be required throughout the progression of an event.

After identifying potential strategies to achieve established goals, an important sub-step in the conzeptualization of the plan is the evaluation of actions to ensure that the actions that are selected to be included in the plan are feasible. It is critical to determine if required resources are available or easily obtainable during an incident, and if actions are compliant with laws and regulations, such as local ordinances and resolutions, legal authorities, law enforcement standards, and Governor's orders and directives.

5. **Plan Preparation, Review and Approval:**
When writing the plan, a simple format should be used. The finished plan must be compatible with the County EOP. This can be achieved by including references to the county plan, utilizing a similar format, or organizing annexes after similar emergency response functions. Feedback should be solicited from all stakeholders that are tasked within the plan, the County Emergency Management Program, and local elected officials. After the review process, necessary adjustments should be implemented. The municipality should adopt the plan by resolution, obtain the signature of the CEO, and forward a signed copy of the plan to the County Emergency Management Program.
6. **Plan implementation and update:**
The last step is to implement, maintain and update the plan. Plan updates are required after change of the CEO or when the County EOP has been updated. Plan reviews should also be considered after plan activations (during incidents or exercises), changes in operational resources, and changes in the community and/or hazard profile of the municipality. Lessons learned from actual events and exercises are essential to the evaluation of a plan's effectiveness, and help to determine if the plan is:

- Adequate: The concept of operations identifies and addresses critical tasks effectively.

- Feasible: Critical tasks can be accomplished timely and with available resources.
- Acceptable: The needs and demand driven by an event are met, actions meet the expectation of local officials and the public, and are consistent with law.
- Complete: The plan includes all necessary tasks, steps and required capabilities to reach an identified desired end state.
- Compliant: The plan complies with guidance and doctrine to the highest extent possible.

FEMA Comprehensive Preparedness Guide 101 established adequacy, feasibility, acceptability, completeness and compliance as criteria that allow planners and decision makers to determine the efficiency and effectiveness of their plans.

EMERGENCY MANAGEMENT RESOLUTION

In addition to the development of a Support EOP, it is recommended that municipalities adopt a local Emergency Management Resolution. The Emergency Management Resolution should appoint the County Emergency Management Coordinator as the Emergency Management Coordinator responsible for the municipality, describe the local emergency management organization and its relationship to the County Emergency Management Program, and provide a means for the local legislative body to exercise the authority vested in them by 1976 PA 390, as amended. Attachment A provides a sample Emergency Management Resolution.

ATTACHMENT A: SAMPLE EMERGENCY MANAGEMENT RESOLUTION

The following pages provide a sample Emergency Management Resolution. If used as a template, the sample resolution should be reviewed by municipality and county, and adjusted to meet local needs. Before adoption, the resolution should be reviewed by the municipality's legal counsel.

(Municipality)
Emergency Management Resolution

A resolution to provide for the mitigation, preparedness, response and recovery from natural and human-made disasters within (insert name of municipality) by being part of the (insert name of county) emergency management program; to appoint the county emergency management coordinator as the (insert name of municipality) emergency management coordinator; to provide for a means for coordinating the resources of the municipality with those of the county; and to provide a means through which the (city council? township board?) may exercise the authority and discharge the responsibilities vested in them by this resolution and Act No. 390 of the Public Acts of 1976, as amended.

Article 1 - Short Title

Section 101. This resolution shall be known as the "Emergency Management Resolution".

Article 2 – Definitions

Section 201. For the purpose of this resolution, certain words used herein are defined as follows:

(a) "Act" means the Michigan Emergency Management Act, Act No. 390 of the Public Acts of 1976, as amended.(b) "Disaster" means an occurrence or threat of widespread or severs damage, injury or loss of life or property resulting from a natural or human-made cause, including but not limited to, fire, flood, snowstorm, ices storm, tornado, windstorm, wave action, oil spill, water contamination, utility failure, hazardous peacetime radiological incident, major transportation accident, hazardous materials incident, epidemic, air contamination, blight, drought, infestation, explosion, or hostile military action or paramilitary action, or similar occurrences resulting from terrorist activities, riots, or civil disorders.

(c) "Disaster relief force" means all agencies of county and municipal government, private and volunteer personnel, public officers and employees, and all other persons or groups of persons identified in the (insert name of county) Emergency Operations Plan as having duties to perform or those called into duty or working at the direction of a party identified in the plan to perform a specific disaster or emergency related task during a local state of emergency.

(d) "District Coordinator" means the Michigan Department of State Police District Emergency Management Coordinator. The District Coordinator serves as liaison between local emergency management programs and the Michigan State Police, Emergency Management Division in all matters pertaining to the mitigation, preparedness, response and recovery of emergency and disaster situations.

(e) "Emergency management coordinator" means the person appointed to coordinate all matters pertaining to emergency management within the municipality. The emergency management coordinator for (insert name of municipality) is the (insert name of county) emergency management coordinator.

(f) "Emergency management program" means a program established to coordinate mitigation, preparedness, response and recovery activities for all emergency or disaster situations within a given geographic area made up of one or several political subdivisions. Such a program has an appointed emergency management coordinator and meets the program standards and requirements established by the Department of State Police, Emergency Management Division. The (insert name of municipality) has elected to be part of the (insert name of county) emergency management program.

(g) "Emergency operations plan" means the plan developed and maintained by county and political subdivisions included in the emergency management program area for the purpose of responding to all emergency or disaster situations by identifying and organizing the disaster relief force.

(h) "Governor's state of disaster" means an executive order or proclamation by the Governor that implements the disaster response and recovery aspects of the Michigan Emergency Management Plan and applicable local plans of the county or municipal programs affected.

(i) "Governor's state of emergency" means an executive order or proclamation by the Governor that implements the emergency response and recovery aspects of the Michigan Emergency Management Plan and applicable local plans of the county or municipal programs affected.

(j) "Local state of emergency" means a declaration by the (mayor? township supervisor? other official designated in municipal charter?)[1] pursuant to the act and this resolution which implements the response and recovery aspects of the (insert name of county). Emergency Operations Plan and authorizes certain actions as described in this resolution.

(k) "Vital records" means those records that contain information needed to continue the effective functioning of a government entity (jurisdiction, agency, department) and for the protection of the rights and interests of persons under emergency conditions in the event of an emergency or disaster situation.

Article 3 - Emergency Management Coordinator; Appointment

Section 301. By the authority of this resolution the (mayor? township supervisor? other official designated in municipal charter?) hereby appoints the (insert name of county) Emergency Management Coordinator as the emergency management coordinator for (insert name of municipality).[2] In addition to acting for, and at the direction of, the (chairperson? county executive?), the Emergency Management Coordinator will also act for, and at the direction of, the (mayor? township supervisor? other official designated in municipal charter?).[3]

Section 302. A line of succession for the (insert name of county) Emergency Management Coordinator has been established and is listed in the (insert name of municipality) Emergency Operations Plan.

Article 4 - Emergency Management Coordinator; Duties

Section 401. The Emergency Management Coordinator shall comply with standards and requirements established by the Department of State Police, Emergency Management Division, under the authority of the act, in accomplishing the following[4]:

(a) Direct and coordinate the development of the (insert name of county) Emergency Operations Plan, which shall be consistent in content with the Michigan Emergency Management Plan.

(b) Direct and coordinate the development of the (insert name of county) Emergency Operations Plan, which shall be consistent in content with the Michigan Emergency Management Plan.

(c) Specify departments or agencies which must provide an annex to the plan or otherwise cooperate in its development.

(d) Identify departments and agencies to be included in the Emergency Operations Plan as disaster relief force.

(e) Develop and maintain a county Resource Manual.

(f) Coordinate the recruitment, appointment, and utilization of volunteer personnel.

---

[1] According to Act 390, as amended, sec. 10 (1) (b) any county or municipality that has an appointed emergency management coordinator can declare a local state of emergency. This power is given to the "chief executive official" (see definitions in the act) or the official designated by charter.

[2] Act 390, as amended, sec. 9 (2-3) states that the coordinator shall be appointed by the "chief executive official" (see definitions in the act) in a manner provided in the municipal charter.

[3] Act 390, as amended, sec. 9 (1-3) states that the appointed county coordinator shall act for and at the direction of the chairperson or county executive. It also says that a coordinator appointed by a municipality shall act for and at the direction of the "chief elected official" (see definitions in the act) or the official designated by the municipal charter.

[4] Act 390, as amended, sec. 7a (4) gives the Emergency Management Division the authority to promulgate several standards and requirements.

(g) Assure the emergency management program meets eligibility requirements for state and federal aid.

(h) Coordinate and/or conduct training and exercise programs for the disaster relief force within the county and to test the adequacy of the Emergency Operations Plan.

(h) Through public information programs, educate the population as to actions necessary for the protection of life and property in an emergency or disaster.

(i) Assist in the development of mutual aid agreements.

(j) Assist the (insert name of municipality) municipal liaison with the development of municipal standard operating procedures which are consistent with the county Emergency Operations Plan.

(k) Oversee the implementation of all functions necessary during an emergency or disaster in accordance with the Emergency Operations Plan.

(l) Coordinate county emergency management activities with those municipalities included in the county emergency management program, other municipalities, the state, and adjacent counties.

(m) Coordinate all preparedness activities, including maintaining primary and alternate Emergency Operations Centers.

(n) Identify mitigation opportunities within the county and encourage departments/agencies to implement mitigation measures.

Article 5 - Emergency Management Liaison; Duties

Section 501. By the authority of this resolution the (mayor? township supervisor? other official designated in municipal charter?) has appointed a liaison for the purpose of assisting the county Emergency Management Coordinator in coordinating the emergency management activities within the municipality. The duties of the liaison are as follows:

(a) Coordinate municipal emergency management activities with those of the county jurisdictions.

(b) Assist the county Emergency Management Coordinator with the development of the county Emergency Operations Plan and the incorporation of municipal resources into the plan.

(c) Identify municipal departments and agencies to be included in the Emergency Operations Plan as part of the disaster relief force.

(d) Identify municipal resources and forward information to the county Emergency Management Coordinator for inclusion in the county Resource Manual.

(e) Coordinate the recruitment, appointment, and utilization of volunteer resources.

(f) Assist the county Emergency Management Coordinator with administering training programs.

(g) Coordinate municipal participation in exercises conducted by the county.

(h) Assist in the development of mutual aid agreements.

(i) Assist in educating the population as to actions necessary for the protection of life and property in an emergency or disaster.

(j) Encourage departments/agencies within the municipality to identify and implement procedures to mitigate the effects of potential disasters.

(k) Assist in the assessment of the nature and scope of the emergency or disaster and collect damage assessment information and forward to the county.

(l) Coordinate the vital records protection program.

(m) Develop municipal standard operating procedures for disaster response which are consistent with the county Emergency Operations Plan.

Section 502. The (mayor? township supervisor? other official designated in municipal charter?) shall appoint a minimum of two persons as successors to the position of the municipal liaison. The line of succession shall be supplied to the county Emergency Management Coordinator.

Article 6 - (Mayor? Township supervisor? Other official designated in municipal charter?); Powers; Duties

Section 601. On an annual basis, the (mayor? township supervisor? other official designated in municipal charter?) shall review the eligibility and performance of the Emergency Management Coordinator and make recommendations to the (city council? township board?).[4]

Section 602. The (mayor? township supervisor? other official designated in municipal charter?) shall, review the effectiveness of the (insert name of county) county Emergency Operations Plan as the plan relates to the municipality once every two years. With the assistance of the municipal liaison, he\she shall make recommendations to the county Emergency Management Coordinator of any changes which may be needed. After this review and incorporation of necessary changes, the (mayor? township supervisor?) shall certify the plan to be current and adequate for (insert name of municipality) the ensuing two years.[5]

Section 603. When circumstances within the (city? township?) indicate that the occurrence or threat of occurrence of widespread or severe damage, injury or loss of life or property from natural or human-made cause exists the (mayor? township supervisor? other official designated in municipal charter?) may declare a local state of emergency.[1] Such a declaration shall be promptly filed with the (insert name of county) county Emergency Management Office, who shall forward it to the Department of State Police, Emergency Management Division. This declaration shall not be continued or renewed for a period in excess of 7 days except with the consent of the (city council? township board?).[6]

Section 604. If the (mayor? township supervisor? other official designated in municipal charter?) invokes such power and authority, he/she shall, as soon as reasonably expedient, convene the (city council? township board?) for one or more emergency meetings in accordance with the Open Meetings Act to perform its normal legislative and administrative duties as the situation demands, and will report to that body relative to emergency activities. Nothing in this resolution shall be construed as abridging or curtailing the powers of the (city council? township board?) unless specifically provided herein.

Section 605. The (mayor? township supervisor? other official designated in municipal charter?) may do one or more of the following under a local state of emergency:

(a) Direct the Emergency Management Coordinator to implement the Emergency Operations Plan.

(b) Issue directives as to travel restrictions on local roads within the municipality.

(c) Relieve (city? township?) employees of normal duties and temporarily reassign them to other duties.

(d) Activate mutual aid agreements.

(e) Direct the municipal disaster relief effort in accordance with the county Emergency Operations Plan and municipal standard operating procedures.

(f) Notify the public and recommend in-place or evacuation or other protective measures.

(g) Request a state of disaster or emergency declaration from the Governor as described in Article 7.

(h) When obtaining normal approvals would result in further injury or damage, (mayor? township supervisor? other official designated in municipal charter?) may, until (city council? township board?) convenes, waive procedures and formalities otherwise required pertaining to the following:

(1) For a period of up to 7 days, send the disaster relief force and resources to the aid of other communities as provided by mutual aid agreements.

(2) For a period of up to 7 days, appropriate and expend funds from the disaster contingency fund created in Article 9 up to $(insert dollar amount).

(3) For a period of up to 7 days, make contracts, obtain and distribute equipment, materials, and supplies for disaster purposed.

(4) Employ temporary workers.

(5) Purchase and distribute supplies, materials, and equipment.

---

[5] Rule 4 (c) (d-q) of the administrative rules promulgated for Act 390, sec. 19 states that the plan shall be considered official upon bearing the signature of the chief executive official of the municipality. The plan must be current and adequate (see rule) within two years.

[6] Act 390, as amended, sec. 10 (1) (b) provides for the 7 day limit and disposition of the declaration.

(6) Make, amend, or rescind ordinances or rules necessary for emergency management purposes which supplement a rule, order, or directive issued by the Governor or a state agency. Such an ordinance or rule shall be temporary and, upon the Governor's declaration that a state of disaster or state of emergency is terminated, shall no long be in effect.[7]

Section 606. If a state of disaster or emergency is declared by the Governor, assign and make available for duty the employees, property, or equipment of the (city? township?) within or without the physical limits of the (city? township?) as ordered by the Governor or the Director of the Department of State Police in accordance with the act.[8]

Article 7 - Governor Declaration Request

Section 701. If a disaster or emergency occurs that has not yet been declared to be a state of disaster or a state of emergency by the Governor, and the (mayor? township supervisor? other official designated in municipal charter?) determines that the situation is beyond control of the municipality, he/she may request the Governor to declare that a state of disaster or state of emergency exists in the municipality in accordance with the act. This shall be done by immediately contacting the (insert name of county) Emergency Management Coordinator. The Emergency Management Coordinator shall immediately contact the District Coordinator. The District Coordinator, in conjunction with the Emergency Management Coordinator, shall assess the nature and scope of the disaster or emergency, and they shall recommend the state personnel, services, and equipment that will be required for its prevention, mitigation, or relief.[9]

Article 8- Volunteers; Appointment; Reimbursement

Section 801. Each municipal department, commission, board, or other agency of municipal government is authorized to appoint volunteers to augment its personnel in time of emergency to implement emergency functions assigned in the county Emergency Operations Plan. Such individuals are part of the disaster relief force and shall be subject to the rules and operational control set forth by the respective department, commission, board, or agency through which the appointment was made, and shall be reimbursed for all actual and necessary travel and subsistence expenses.[10]

Article 9 - Disaster Contingency Fund

Section 901. A disaster contingency fund is hereby created in the budget of not less than (enter percent of the total operating budget or an amount). Money may be expended from the fund when a local state of emergency has been declared for the purpose of paying the disaster relief force, purchase of supplies and services, repair costs, or other needs required specifically for the mitigation of the effects of, or in response to, the emergency or disaster.

Article 10 - Rights of Disaster Relief Force

Section 1001. In accordance with the act, personnel of the disaster relief force while on duty shall have the following rights:

(a) If they are employees of the municipality, or other governmental agency regardless of where serving, have the powers, duties, rights, privileges, and immunities and receive the compensation incidental to their employment.

(b) If they are not employees of the municipality, or other governmental agency be entitled to the same rights and immunities as are provided for by law.[10]

Article 12 - Temporary Seat of Government

---

[7] Act 390, as amended, sec.12 (2) provides this authority.

[8] Act 390, as amended, sec. 10 (1) (h) provides this authority.

[9] Act 390, as amended, sec.12 states that the "chief executive official" (see definitions in act) of a county or any municipality may make this request. However, he/she must do this utilizing the procedures set forth in sec. 14 of the act which states that the appointed emergency management coordinator and the district coordinator must jointly assess the situation and make recommendations.

[10] Act 390, as amended, sec. 11 (1) (a-c) discusses disaster relief force rights and duties.

Section 1201. The (city council? township board?) shall provide for the temporary movement and reestablishment of essential government offices in the event that existing facilities cannot be use.

Article 13 - Liability

Section 1301. As provided for in the act and this resolution, the municipality, or the agents or representatives of the municipality, shall not be liable for personal injury or property damage sustained by the disaster relief force. In addition, any member of the disaster relief force engaged in disaster relief activity shall not be liable in a civil action for damages resulting from an act of omission arising out of and in the course of the person's good faith rendering of that activity, unless the person's act or omission was the result of that person's gross negligence or willful misconduct. The right of a person to receive benefits or compensation to which he or she may otherwise be entitled to under the worker's compensation law, any pension law, or act of congress will not be effected as a result of said activity.[11]

Section 1302. As provided for in the act, any person owning or controlling real estate or other premises who voluntarily and without compensation grants the municipality the right to inspect, designate and use the whole or any part of such real estate or premises for the purpose of sheltering persons or for any other disaster related function during a declared local state of emergency or during an authorized practice disaster exercise, shall not be civilly liable for the death of, or injury to, any person on or about such real estate or premises under such license, privilege or other permission, or for loss of, or damage to, the property of such person.[11]

Article 14 - Sovereignty

Section 1401. Should any section, clause, or provision of this resolution be declared by the courts invalid for any reason, such declaration shall not affect the validity of this resolution as a whole or any part thereof, other than the section, clause, or provision so declared to be invalid.

Article 15 - Repeals

Section 1501. All resolutions or parts of resolutions inconsistent herewith are hereby repealed.

Article 16 - Annual Review

Section 1601. This resolution shall be reviewed annually by the (city council? township board?) and changes shall be made if necessary.

Article 17 - Effective Date

Section 1701. This resolution shall have immediate effect.

(The community may choose to adopt either an ordinance or resolution, whichever is the most appropriate procedure within the community, and promulgate it according to normal procedures.)

[11] Act 390, as amended, sec. 11 (2-8) discusses liability.

ATTACHMENT B: SAMPLE SUPPORT EMERGENCY OPERATIONS PLAN

The following pages provide a sample Support Emergency Operations Plan. If used as a template, the sample plan should be reviewed and adjusted to meet local needs.

(Municipality)

SUPPORT EMERGENCY OPERATIONS PLAN

An all-hazards plan supporting the (County Emergency Operations Plan/Emergency Action Guidelines), for use in the event of disaster or severe emergency of natural, human, wartime, technological or terrorism origin.

(Date)

The information contained in this template, developed by the Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD), should be used to assist in developing a Support Emergency Operations Plan which must then be reviewed by the Local Planning Team (LPT) and modified based on the community's emergency response capabilities.

TABLE OF CONTENTS

Promulgation Document i
Approval and Implementation ii
Record of Revisions iii
Record of Distribution iv

Basic Plan:

Purpose 1
Scope 1
Authorities and References 1
Plan Development and Maintenance 1-2
Situation Overview 2
Planning Assumptions 3
Concept of Operations 3-4
Organization and Assignment of Responsibilities 5-6

Annexes:

Overview 12
Annex A, Direction, Control, and Coordination 13-15
Annex B, Communications and Warning 16-17
Annex C, Damage Assessment 18-19
Annex D, Fire Services 20-21
Annex E, Mass Care, Emergency Assistance, Housing, and Human Services 22-23
Annex F, Public Health and Medical Services 24-25
Annex G, Public Information 26-27
Annex H, Public Safety 28-29
Annex I, Public Works 30-31

Promulgation Document

Officials of (Municipality), in conjunction with County and State Emergency Eanagement (EM) agencies, have developed this Support Emergency Operations Plan that will enhance the local emergency response capability.

This plan, when used properly and updated, will assist local government officials to accomplish their primary responsibilities of protecting lives and property in their community. This plan and its provisions will become official when it has been signed and dated below by the Chief Executive Official (CEO) of the municipality.

Chief Executive Official
(Municipality)

Date

Approval and Implementation

The Support Emergency Operations Plan, referred to in this document as the Support EOP, describes how (Municipality) will handle emergency situations in cooperation with the (County) Emergency Management Program. The Support EOP assigns responsibilities to agencies for coordinating emergency response activities before, during, and after any type of emergency or disaster. The Support EOP does not contain specific instructions as to how each department will respond to an emergency; these can be found in the plan annexes or separate Standard Operating Procedures (SOP).

The goal of the Support EOP is to coordinate emergency response efforts to save lives, reduce injuries, and preserve property. The Support EOP addresses emergency issues before and after an emergency, but its primary goals are to assemble, mobilize and coordinate a team of responders that can respond to any emergency, and describe response procedures in relation to the county response procedures.

The Support EOP will use a graduated response strategy that is in proportion to the scope and severity of an emergency. (Municipality) will plan, prepare and activate resources for local emergencies that affect the local area (or a specific site) and/or widespread disasters that affect the entire state and/or nation.

The Support EOP was developed by a Local Planning Team (LPT). The LPT consists of key departments covering emergency functions such as law enforcement, fire, public works, and public health. The team works to establish and monitor programs, reduce the potential for hazard events in the community through planning, review, and training, and assist the (County) Emergency Management Program in developing and maintaining the County EOP.

The Support EOP must be signed by the current CEO each time it is updated, with the exception of the following activities:

1. Minor updates e.g. changing system names, grammar, spelling or layout changes
2. Updates to the annexes

These activities may be updated in the plan without the CEO signature by the following individuals:

1. Emergency Management Liaison
2. Department head responsible for an annex

Homeland Security Presidential Directive (HSPD) 5 facilitates a standard management approach to major incidents, the National Incident Management System (NIMS). NIMS is administered as part of the National Response Framework (NRF) which integrates the federal government into a single, all discipline, and all-hazards plan. NIMS will provide a nationwide approach that enables federal, state, tribal and local government agencies to "work effectively and efficiently together to prepare for, respond to, and recover from domestic incidents, regardless of cause, size or complexity." This Support EOP has integrated NIMS concepts, including the Incident Command System (ICS), and language to help incident management operate in accordance to the NIMS using the guidance provided by the Department of Homeland Security (DHS).

During an emergency, all response personnel will use the ICS to manage the incident and employ emergency resources at the site. The Emergency Operation Center (EOC) will coordinate additional resources when needed. This EOP will be used during community recovery after an emergency.

This plan supersedes all previous plans.

Record of Revisions

~~The following is a list of revisions made to the Support EOP. This chart tracks the date that changes were~~ made, reason for the changes, updated pages, and who made the revision.

Date	Reason for Revision	Page Numbers	Revised By

Record of Distribution

The following is a list of the individuals and facilities that have been provided a copy of the Support EOP in order to conduct the assigned tasks addressed in this plan.

Title of Recipient	Name of Recipient	Agency	Date	Number of Copies
Chief Executive Official				
(Legislative body, e.g. City Council/Commission, Township Board of Commissioners)				
(County) Emergency Management Coordinator				
(Municipality) Emergency Management Liaison				
Communications and Warning Official				
Damage Assessment Official				
Fire Services Official				
Mass Care, Emergency Assistance, Housing, and Human Services Official				
Public Health and Medical Services Official				
Public Information Official				
(Municipality) Public Information Center				
(Municipality) Emergency Operations Center				

Purpose

(Municipality) has elected to incorporate into the (County) Emergency Management Program. As partners in the five phases of emergency management, mitigation, preparedness, prevention, response and recovery, (Municipality) and the (County) Emergency Management Program share joint responsibilities. The (Municipality) Support EOP has been developed to identify these responsibilities. It is to be used in concurrence with the County EOP. In accordance with Section 19 of the Michigan Emergency Management Act (1976 PA 390, as amended), activation of this this plan at the beginning of a disaster or emergency also establishes eligibility to receive state assistance for disaster related expenses incurred during a State of Emergency or Disaster declared by the Governor, for which federal assistance is unavailable.

Scope

The (Municipality) Support EOP is an adaptable document that can be applied to all hazards. Due to the unique nature of emergencies, it may become necessary to deviate from the contents of the plan when responding to an incident. Agencies that have been assigned supporting roles in this plan have developed and will maintain SOPs that provide systematic instructions for accomplishing their assigned functions. The local government conducts additional activities, such as personnel training, participation in exercises, public information, land-use planning, etc., to support emergency preparedness, mitigation, and response efforts. To facilitate efficient emergency management operations, (Municipality) continues to implement the NIMS.

Authorities and References

A. Authority of local officials during an emergency:

1. 1976 PA 390, as amended,
2. (Municipality), local Emergency Management resolution,
3. (Municipality), adoption of the Support EOP,
4. Executive Directive No. 2005-09, the state adoption of the NIMS,
5. The Robert T. Stafford Disaster Relief and Emergency Assistance Act,
6. Emergency Planning and Community Right to Know Act of 1986 (EPCRA) also known as the Superfund Amendments and Reauthorizations Act (SARA), Title III,
7. Good Samaritan Law and Know Act of 1986.

B. References used to develop the Support EOP:

1. NIMS,
2. NRF,
3. Michigan Emergency Management Plan (MEMP), Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMSHD),
4. Pub 204, MSP/EMHSD.

Plan Development and Maintenance

To ensure that this Support EOP addresses the needs of the community and is consistent with the (County) EOP, this document was developed in a cooperative, whole community effort between municipal government, local community, and the County Emergency Management Program. The Support EOP is updated after every change of the municipal CEO or update to the County EOP. After the plan is adopted by resolution of the (council/board) and approved by the CEO, it is forwarded to the County Emergency

Management Program. The plan will be implemented, tested through exercises in concurrence with county officials, and maintained in accordance with the standards and currentness of the (County) EOP.

This plan has been provided to all municipal departments, local elected officials, the County Emergency Management Program and all agencies tasked within the document. It includes this Basic Plan, which provides an overview of the municipality's preparedness and response strategies, and functional annexes that describe the actions, roles and responsibilities of participating organizations.

Situation Overview

B. **(**(Municipality) has taken various preparedness and incident management steps to enhance capabilities in responding to incidents including:

1. The mitigation of potential hazards.
2. Identification of emergency response agencies and mechanisms that will protect life and property before, during and after an emergency.
3. Tasking agencies, organizations, and individuals with specific functions and responsibilities relative to emergency operations. Assigned tasks are explained in further detail under "Organization and Assignment of Responsibilities."
4. Integration with the (County) EOP, (County) hazard mitigation plan, MEMP, etc.

C. Community profile:

((Municipality) is located in the **(**geographical area) of (County). The community has a population of **(**number) residents. Approximately **(**percentage) of residents have been recognized as individuals with Access and Functional Needs. Many of the residents that require Functional Needs Support Services (FNSS) reside in congregate care centers, while others reside in non-group homes where support is provided as needed or on-call.

D. Hazard and threat analysis:

According to the (County) (Hazard Mitigation Plan/Hazard Analysis), communities in the county are most vulnerable to: (common hazards). Areas within (Municipality) that are especially vulnerable to these hazards are: (locations). Additional hazards that have been identified as unique to (Municipality) include: (unique local hazards).

(Number) sites that contain extremely hazardous materials are located in (Municipality). Facility owners have reported the types of hazardous materials that are stored on-site, as required by the Emergency Planning and Community Right-To-Know Act (EPCRA). Pursuant to SARA Title III requirements, off-site emergency response plans have been developed by the Local Emergency Planning Committee (LEPC) to prepare fire departments for responding to the release of the specific hazardous materials on these sites.

E. Relationship between municipality and County Emergency Management Program:

Emergency management and response are primarily local responsibilities. However, disasters and emergencies might exhaust the resources and capabilities of local governments. Therefore, (Municipality) has chosen to incorporate into the (County) Emergency Management Program. To coordinate emergency management related matters with the County Emergency Management Program, the (Municipality) has appointed the (title) to serve as the Emergency Management Liaision. The Emergency Management Liaison facilitates communication and coordination between (Municipality) and county, and is the local point of contact for the County Emergency Management Coordinator (EMC).

Planning Assumptions

A. The proper implementation of this plan will result in saved lives, incident stabilization, and property protection in (Municipality).

B. Some incidents occur with enough warning that necessary notification can be issued to ensure the appropriate level of preparation. Other incidents occur with no advanced warning.

C. Depending upon the severity and magnitude of the situation, local resources may not be adequate to deal with an incident. It may be necessary to request assistance through volunteer organizations, the private sector, mutual aid agreements (MAAs)/memorandums of understanding (MOUs), and/or county, state and federal sources. When provided, these will supplement, not substitute for, relief provided by local jurisdictions.

D. All emergency response agencies within (Municipality) that have been tasked in the plan are considered to be available to respond to emergency incidents. Agencies will work to save lives, protect property, relieve human suffering, sustain survivors, stabilize the incident, repair essential facilities, restore services and protect the environment.

E. When a jurisdiction receives a request to assist another jurisdiction, reasonable actions will be taken to provide the assistance as requested.

F. Emergency planning is a work-in-progress; the Support EOP is consistently reviewed and updated.

G. During an emergency or disaster, parts of the plan may need to be improvised or modified, if necessary, based on the situation.

Concept of Operations

A. Activation of the Support EOP and declaration of a local state of emergency:

When a threat is perceived, the Emergency Management Liaison activates the this Support EOP and the local Emergency Operations Center (EOC) to facilitate activities that ensure the safety of people, property and environment. Pursuant to 1976 PA 390, as amended, the (CEO/other official designated by charter) may declare a local state of emergency for (Municipality) if circumstances indicate that the occurrence or threat of widespread or severe damage, injury, or loss of life or property exist. In the absence of the (CEO/other official designated by charter), pursuant to local leglislation, the (title) is authorized to declare a local state of emergency. Upon a local declaration, PA 390 authorizes the the (Chief Executive Official/other official designated by charter) to issue directives as to travel restrictions on local roads. To facilitate activities that ensure the safety of people, property and environment, a local declaration also activates this Support EOP and the municipal Emergency Operations Center (EOC). A local state of emergency shall not be continued or renewed for a period in excess of seven days except with the consent of the governing body of the municipality.

B. The following procedures are conducted and coordinated with the county in response to an incident:

1. The Emergency Management Liaison will perceive the threat, assess the hazard and ensure that municipal emergency response agencies, elected officials and County EMC are notified of the situation.

2. Municipal agencies assess the nature and scope of the emergency or disaster.

3. If the situation can be handled locally, the following guidelines are used:

    a. The Emergency Management Liaison advises the CEO and coordinates all local emergency response actions.

b. The Emergency Management Liaison activates the EOC. The EOC is located at (address). If this location is unavailable, the alternate EOC location is (address).

c. The CEO declares a local state of emergency. The Emergency Management Liaison notifies the County EMC and forwards the declaration to the County Emergency Management Program.

d. Emergency Response Agencies are notified by the Emergency Management Liaison to report to the EOC through (identify notification system(s), e.g., telephone, smart messaging, etc.).

e. The CEO directs departments/agencies to respond to the emergency in accordance with the guidelines outlined in this plan and its annexes, and issues directives as to protective actions and travel restrictions on local roads.

f. The Emergency Management Liaison keeps the County EMC informed of the situation and actions taken.

4. If the emergency is beyond local control, municipal resources become exhausted, or special resources are needed, county assistance is requested through the County EMC.

5. If county assistance is requested, the County EMC assesses the situation and makes recommendations on the type and level of assistance. The county will also take the following steps:

   a. Activate County EOC and EOP
   b. Respond with county resources
   c. Activate MAA/MOUs to supplement county resources
   d. Notify MSP/EMSHD District Coordinator
   e. Make available incident information to MSP/EMSHD and statewide agencies via the Michigan Critical Incident Management System (MI CIMS) online platform, by submitting and maintaining applicable MI CIMS boards and logs.

6. If county resources and capabilities are exhausted, the county requests the Governor to declare a State of Emergency or State of Disaster in accordance with procedures set forth in 1976 PA 390, as amended. If the emergency occurs solely within the confines of the municipality, the county shall not request state assistance or the Declaration of a State of Disaster or Emergency unless requested to do so by the municipal CEO.

Organization and Assignment of Responsibilities

A. Emergency Management Organization:

1. The (Municipality) emergency management organization is comprised of (number) agencies and departments that are responsible for conducting activities in response to emergencies within the community. To facilitate an effective emergency response, these departments have been assigned to nine specific emergency functions. All agencies are responsible for implementing pre-disaster activities to prevent, mitigate and prepare for the various hazards that the community is vulnerable to. These activities include awareness

training and public education, exercising, preparing Standard Operating Procedures (SOPs) and job aides, hygienic practices to prevent spreading of infectious diseases, stockpiling equipment, regulating land-use, etc.

2. The following table lists the established emergency support functions, assigned agencies, primary points of contact, and phone numbers.

Function	Agency	Primary Contact	Phone
Direction, Control , and Coordination			
Communications and Warning			
Damage Assessment			
Fire Services			
Mass Care, Emergency Assistance, Housing, and Human Services			
Public Health and Medical Services			
Public Information			
Public Safety			
Public Works			

3. The following table lists the alternates designated to represent the emergency functions.

Agency	1st Alternate	2nd Alternate

4. (Municipality) maintains (number) fulltime departments. All departments contribute to the safety and welfare of the community. Each department employs qualified emergency

personnel and maintains equipment that can be used in emergency response. A list of resources available for utilization during incidents can be requested through the Emergency Management Liaison. If resource needs exceed the capabilities of the community, the CEO may activate MAA/MOUs and pre-disaster contracts, or it may become necessary to request county assistance.

B. Responsibilities:

1. The following responsibilities have been assigned to each organization that has been assigned responsibility in this plan:

   a. Assist in the development, review and maintenance of Support EOP and County EOP.
   b. Report to the local EOC when activated for scheduled exercises or emergencies.
   c. Build capabilities and develop/maintain SOPs for specific functions or actions identified in the plan. Continuously review and update procedures.
   d. Maintain a list of resources available through the departments.
   e. Establish MAA/MOUs and contracts with other jurisdictions and organizations to supplement municipal resources.
   f. Activate MAA/MOUs and contracts with other organizations to supplement response activities when local resources become exhausted.
   g. Train personnel in emergency management functions and NIMS/ICS concepts.
   h. Protect vital records and other resources deemed essential for continuing government functions and each agency's emergency operations in accordance to procedures and policies.
   i. Ensure compliance with this plan and the County EOP, and any pertinent procedures and documents that impact the provision of emergency services in the municipality.

2. The annexes attached to this plan further describe nine emergency support functions and their associated responsibilities in mitigation, preparedness, prevention, response and recovery. Annexes include the organizations that are responsible for carrying out the emergency functions, and assign tasks associated with each function.

ANNEXES

The annexes attached to the Basic Plan describe all-hazard functions and include the roles and responsibilities that each responsible agency should consider during an emergency for which the Support EOP has been activated. Each annex contains: the agencies responsible for carrying out a function, their assigned tasks, and the concept of operations.

The annexes attached to this plan include the following functions:

Annex A, Direction, Control, and Coordination

Annex B, Damage Assessment

Annex C, Communications and Warning

Annex D, Fire Services

Annex E, Mass Care, Emergency Assistance, Housing, and Human Services

Annex F, Public Health and Medical Services

Annex G, Public Information

Annex H, Public Safety

Annex I, Public Works

~~ANNEX A~~

DIRECTION, CONTROL, AND COORDINATION

The Direction, Control, and Coordination function is responsible for the activation, organization and operation of the local EOC, the facilitation of incident management, response, and recovery efforts, and coordination with the County Emergency Management Program.

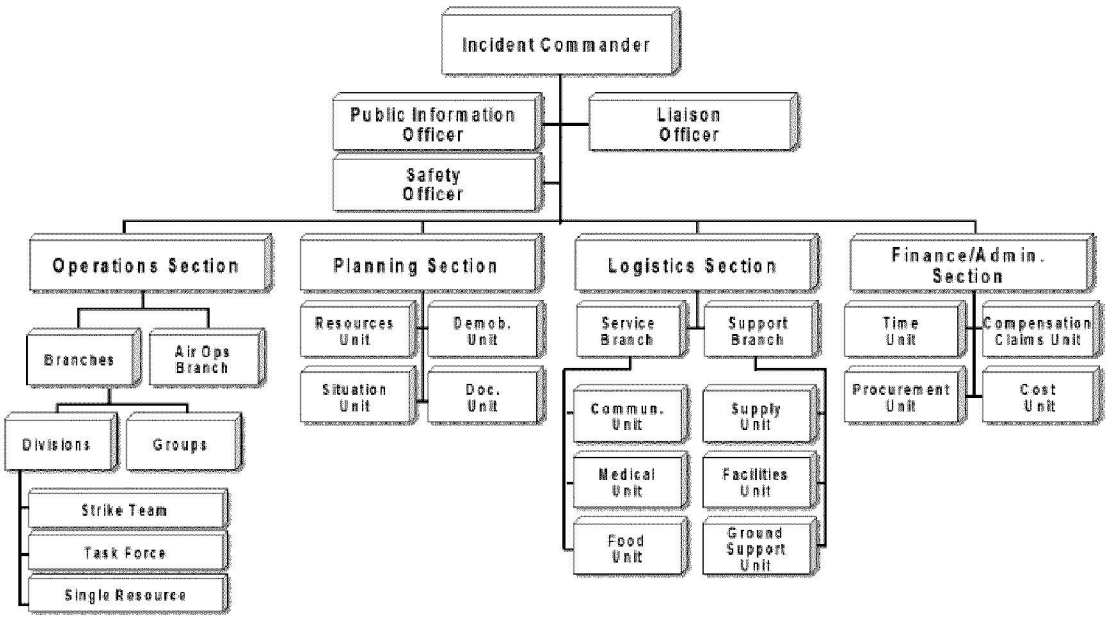
Direction, Control, and Coordination officials will maintain liaison and coordinate emergency management and response activities with the Direction, Control and Coordination function at the county level. This annex relates to the following annex(es) in the **(County EOP/EAG)**: **(Applicable county annexes or ESFs; e.g., Direction and Control Annex, ESF#5 – Information & Planning)**

Responsible Agency: Executive Office

Direction, Control, and Coordination Checklist

	Report to the EOC, when activated, for scheduled exercises and disasters, or delegate another representative from the agency to staff the EOC and implement the plan.
	EOC operations
	Activate the EOC and ensure that appropriate staff is notified.
	Establish a system of coordination, such as ICS (see Figure 1), within the EOC. (Field operations at the ICP are required to utilize ICS.)
	Maintain administrative materials for the EOC, i.e., pencils, paper, maps, and status boards.
	Ensure copies of the Support EOP and EOC SOPs are available to EOC staff.
	Coordinate with law enforcement officials for EOC security.
	Local authority
	Direct and coordinate response activities in accordance with this plan, including prioritizing allocation of scarce resources.
	Relieve jurisdiction employees of normal duties and temporarily reassign them to emergency duties, and employ temporary workers, as necessary.
	Declare a local state of emergency.
	Issue directives as to travel restrictions on municipal roads.
	Recommend appropriate protective measures to ensure the health and safety of people and property.
	Assistance to other agencies
	Advise the County Emergency Management Coordinator of the situation and maintain liaison with the County Emergency Management Program.
	Establish communications with and provide support to the Incident Command Post (ICP).
	Provide frequent staff briefings and ensure all groups function as planned.
	Inform legislative body of measures taken.
	Review and authorize the release of information to the public through the Public Information Officer (PIO).
	Logistics
	Ensure all resources are made available for response.
	Formulate specific assistance requests to adjacent jurisdictions and the county.
	Activate MAA/MOUs and contracts with other jurisdictions and organizations.
	Provide aid to other communities as provided for in MAA/MOUs.
	Ensure staff maintains logs of actions taken and financial records.

Figure 1. ICS Incident Management Structure



The following agency is responsible for this annex:

AGENCY	TITLE OF CONTACT

The line of succession for the CEO for representing the Direction, Control, and Coordination function during a response to an emergency or disaster situation is:

TITLE	AGENCY

The line of succession for the Emergency Management Liaison for representing the Direction, Control, and Coordination function during a response to an emergency or disaster situation is:

TITLE	AGENCY

The CEO and Emergency Management Liaison are responsible for reporting or delegating an individual from their agency to report to the EOC during scheduled exercises or emergencies to coordinate and represent the Direction, Control, and Coordination function.

SIGNATURE OF CHIEF EXECUTIVE OFFICIAL	DATE

SIGNATURE OF EMERGENCY MANAGEMENT LIAISON	DATE

ANNEX B

COMMUNICATIONS AND WARNING

The Communications and Warning function is responsible for alerting and notification of key officials, receiving and disseminating warning and critical emergency information to the public, and the establishment, maintenance, and coordination of communication protocols and links between the EOC and other incident facilities.

The Communications and Warning Official will maintain liaison and coordinate emergency management and response activities with the Communications and Warning functions at the county level. This annex relates to the following annex(es) in the (County EOP/EAG): (Applicable county annexes or ESFs; e.g., Communications Annex and Warning Annex, ESF#2 – Communications and ESF#15 – External Affairs)

Responsible Agency: (e.g., 911 Dispatch Center, IT Department)

Communications and Warning Checklist

	Report to the EOC, when activated, for scheduled exercises and disasters, or delegate another representative from the agency to staff the EOC and implement the plan.
	Communication links
	Ensure lines of communication have been established between all agencies represented in the local EOC, their department offices and their staff at the incident site. Available channels for establishing communications includes (communications channels, e.g. telephone, cell phone, radios, pagers, etc.)
	Coordinate communications between municipal and county EOC. Available channels for establishing communications include (communications channels, e.g. telephone, cell phone, radios, pagers, etc.)
	Establish communications links with the adjacent communities and higher levels of government.
	Coordinate warning frequencies and procedures with adjacent communities and other government agencies.
	Disaster warning and information
	Activate public warning systems when instructed to do so by the CEO or Emergency Management Liaison. Warning methods include (warning methods, e.g., sirens, door-to-door notification, reverse 911, etc.)
	Ensure that warning messages received through the Law Enforcement Information Network (LEIN), National Warning System (NAWAS), Emergency Alert System (EAS), local weather spotters, or other verifiable means are issued in a timely manner.
	Determine which facilities are endangered by the incident and contact those facilities. Ensure they are contacted when protective actions are rescinded.
	Notify special locations (e.g., schools, hospitals, nursing homes, major industries, institutions, and places of public assembly).
	Ensure that public warning systems provide notification to residents with Access and Functional Needs, such as the elderly, hearing impaired, non-English speakers, individuals with mobility limitations, etc.
	Official notification
	Ensure that all necessary officials have been notified and/or updated about the incident.
	Notify neighboring jurisdictions of impending hazard or hazardous situations when instructed to do so by the Chief Executive Official or Emergency Management Liaison.

The following agency is responsible for this annex:

AGENCY	TITLE OF CONTACT

The line of succession for representing the Communications and Warning function during a response to an emergency or disaster situation is:

TITLE	AGENCY

(Title of individual or responsible department) is responsible for reporting or delegating another individual from their agency to report to the EOC during scheduled exercises or emergencies to coordinate and represent the Communications and Warning function.

SIGNATURE OF COMMUNICATIONS AND WARNING OFFICIAL	DATE

ANNEX C

DAMAGE ASSESSMENT

The Damage Assessment (DA) function is concerned with the process of documenting damage from emergencies in the community. Information gathered may be used to determine the extent of damage and impact on the community resulting from an incident to justify future federal funding, declarations of emergency, and disaster proclamations. An accurate damage assessment is a necessary part of the recovery phase and determines qualification for state and federal disaster aid.

The Damage Assessment Official will maintain liaison and coordinate emergency management and response activities with the DA function at the county level. This annex relates to the following annex(es) in the (County EOP/EAG): (Applicable county annexes or ESFs; e.g., Damage Assessment Annex, ESF#5 – Informtion & Planning and ESF#14 – Long-Term Community Recovery)

Responsible Agency: (e.g., Assessing Office, Building Department)

Damage Assessment Checklist

	Report to the EOC, when activated, for scheduled exercises and disasters, or delegate another from the agency to staff the EOC and implement the plan.
	Damage assessment
	Maintain current list of DA field team members.
	Maintain damage assessment field team supplies for contingency purposes, i.e., MSP/EMSHD Pub 901 Michigan Damage Assessment Handbook, blank forms, flashlights, cameras, pencils, paper, maps, etc.
	Activate DA field teams.
	Collect both public and private damage assessment information.
	Record initial information on damages from first responders.
	Augment DA field teams, as the situation dictates.
	Dissemination of DA information
	Provide an initial DA to EOC staff.
	Provide and verify DA information to the CEO and, if necessary, assist in preparation of a local state of emergency declaration.
	Prominently display DA information in the EOC, including maps, situation updates and assessment data.
	Provide the PIO with current DA information for release to the public.
	Provide DA data to the Emergency Management Liaison. The Emergency Management Liaison will forward information to the County Emergency Management Program for submission in MI CIMS.
	Logistics
	Maintain a status list of requested resources.
	Compile and maintain a record of expenditures for personnel, equipment, supplies, etc.

The following agency is responsible for this annex:

AGENCY	TITLE OF CONTACT

The line of succession for representing the DA function during a response to an emergency or disaster situation is:

TITLE	AGENCY

(Title of individual or responsible department) is responsible for reporting or delegating another individual from their agency to report to the EOC during scheduled exercises or emergencies to coordinate and represent the DA function.

SIGNATURE OF DAMAGE ASSESSMENT OFFICIAL	DATE

~~ANNEX D~~

FIRE SERVICES

The Fire Services function is concerned with detecting and suppressing wild land, rural, and urban fires and any of these that result from, or occur coincidentally with, an incident response.

The Fire Services Official will maintain liaison and coordinate emergency management and response activities with the Fire Services function at the county level. This annex relates to the following annex(es) in the (County EOP/EAG): (Applicable county annexes or ESFs; e.g., Fire Annex, ESF#4 – Firefighting and ESF#9 – Search and Rescue, etc.)

Responsible Agency: (e.g., Fire Department)

Fire Services Checklist

	Report to the EOC, when activated, for scheduled exercises and disasters, or delegate another representative from the agency to staff the EOC and implement the plan.
	Response activities
	Coordinate fire response and search and rescue activities with appropriate personnel at the County Emergency Management Program, including assistance to regional special teams such as Regional Response Teams, Michigan Urban Search and Rescue (MUSAR), bomb squads, etc.
	Respond to hazardous materials spills.
	Coordinate with the County EMC and the State of Michigan in the decontamination of affected citizens and emergency workers after exposure to CBRNE hazards.
	Assist in searching for bombs and explosive devices in connection with terrorism or weapons of mass destruction (WMD) events.
	Assistance to other agencies
	Advise EOC staff about fire and rescue activities.
	Provide communications and other logistical supplies, as needed.
	Assist with evacuations.
	Assist in damage assessment operations.
	Assist in warning the population. Loud speakers on fire vehicles or door-to-door warning may be utilized.
	Assist in salvage operations and debris clearance.

The following agency is responsible for this annex:

AGENCY	TITLE OF CONTACT

The line of succession for representing the Fire Services function during a response to an emergency or disaster situation is:

TITLE	AGENCY

(Title of individual or responsible department) is responsible for reporting or delegating another individual from their agency to report to the EOC during scheduled exercises or emergencies to coordinate and represent the Fire Services Functions.

SIGNATURE OF FIRE SERVICES OFFICIAL	DATE

~~ANNEX E~~

MASS CARE, EMERGENCY ASSISTANCE, HOUSING, AND HUMAN SERVICES

This function is concerned with issues related to the provision of mass care, emergency assistance, housing, and human services to disaster survivors, including those that require FNSS, throughout the prevention, preparedness, mitigation, response, and recovery phases of disasters and emergencies.

The Mass Care, Emergency Assistance, Housing, and Human Services Official will maintain liaison and coordinate emergency management and response activities with the Mass Care functions at the county level. This annex relates to the following annex(es) in the **(County EOP/EAG)**: **(Applicable county annexes or ESFs; e.g., Human Services Annex, ESF#2 – Communications and ESF#6 – Mass Care, Emergency Assistance, Housing, and Human Services)**

Responsible Agency: **(e.g., Recreation Department, Housing Office)**

Mass Care, Emergency Assistance, Housing, and Human Services Checklist

	Report to the EOC, when activated, for scheduled exercises and disasters, or delegate another representative from the agency to staff the EOC and implement the plan.
	Disaster-related needs
	Coordinate activities of municipal departments that provide mass care and human services.
	Coordinate with the County Emergency Management Program, the American Red Cross (ARC) and other agencies to distribute food, water, and clothing, and meet other basic needs of disaster survivors and emergency responders.
	Coordinate to provide transportation for disaster survivors and emergency responders.
	Arrange for the provision of crisis counseling to disaster survivors and emergency responders.
	Coordinate procedures for the tracking of family members and reunification of families.
	Identify and account for personal property that may be lost during a disaster.
	Coordinate with the County EOC to establish procedures for the registration and management of volunteers and donations.
	Coordinate with agencies in the community that work with individuals with access and functional needs to ensure disaster related needs are met.
	Protective action
	Coordinate the provision of transportation for evacuation.
	Provide staff and resources to manage open shelters.
	Coordinate care for individuals at shelters and for those who have been sheltered-in-place.
	Determine whether shelters must be opened long or short-term.
	Provide guidance/policies for the care of household pets that are brought to shelters by evacuees (only service animals are allowed into ARC shelters).
	Pre-identified shelter locations include: **(shelter locations; information on pre-identified shelter locations should be available from the County Emergency Management Program or ARC)**

The following agency is responsible for this annex:

AGENCY	TITLE OF CONTACT

The line of succession for representing the Mass Care, Emergency Assistance, Housing, and Human Services function during a response to an emergency or disaster situation is:

TITLE	AGENCY

(Title of individual or responsible department) is responsible for reporting or delegating another individual from their agency to report to the EOC during scheduled exercises or emergencies to coordinate and represent the Mass Care, Emergency Assistance, Housing, and Human Services function.

SIGNATURE OF MASS CARE, EMERGENCY ASSISTANCE, HOUSING, AND HUMAN SERVICES OFFICIAL	DATE

ANNEX F

PUBLIC HEALTH AND MEDICAL SERVICES

The Public Health and Medical Services function is responsible for assessing public health and medical needs, health surveillance, and provision of medical care personnel, supplies and equipment.

The Public Health and Medical Services Official will maintain liaison and coordinate emergency management and response activities with the Public Health and Medical Services function at the county level. This annex relates to the following annex(es) in the (County EOP/EAG): (Applicable county annexes or ESFs; e.g., Emergency Medical Services Annex and Public Health Annex, ESF#8 – Public Health and Medical Services)

Responsible Agency: (e.g., Fire Department, EMS agency)

Public Health and Medical Services Checklist

	Report to the EOC, when activated, for scheduled exercises and disasters, or delegate another representative from the agency to staff the EOC and implement the plan.
	Patient care
	Coordinate with medical providers and shelter managers to staff medical personnel at shelters.
	Identify the transportation resources and personnel needs to transport disaster survivors to temporary care centers.
	Provide transportation of patients and assist hospitals with transfer of patients.
	Ensure identification and notification of disaster survivors and emergency responders in need of crisis counseling and/or debriefing.
	Coordinate the monitoring of disaster survivors and emergency responders for exposure to chemical, radiological, or biological contaminants, and assist in their decontamination.
	Public health
	If necessary, identify a site for a temporary morgue. NOTE: The medical examiner is responsible for identifying the deceased. Law enforcement and EMS may provide additional support in collecting and transporting.
	Assist with animal and pet control and support the county Animal Control Unit in the quarantine and disposal of diseased animals.

The following agency is responsible for this annex:

AGENCY	TITLE OF CONTACT

The line of succession for representing the Public Health and Medical Services function during a response to an emergency or disaster situation is:

TITLE	AGENCY

(Title of individual or responsible department) is responsible for reporting or delegating another individual from their agency to report to the EOC during scheduled exercises or emergencies to coordinate and represent the Public Health and Medical Services function.

SIGNATURE OF HEALTH AND MEDICAL OFFICIAL	DATE

~~ANNEX G~~

PUBLIC INFORMATION

The Public Information function ensures accurate, coordinated, timely, and accessible information is disseminated to governments, media, the general public, and the private sector throughout the prevention, preparedness, mitigation, response, and recovery phases of disasters and emergencies.

The Public Information Official will maintain liaison and coordinate emergency management and response activities with the Public Information function at the county level. This annex relates to the following annex(es) in the **(County EOP/EAG)**: **(Applicable county annexes or ESFs; e.g., Public Information Annex, ESF#15 – External Affairs)**

Responsible Agency: **(e.g., Executive Office)**

Public Information Checklist

	Report to the EOC, when activated, for scheduled exercises and disasters, or delegate another from the agency to staff the EOC and implement the plan.
	Pre-disaster public education
	Assist the Emergency Management Liaison in developing educational materials on the hazards facing the community and explaining what people can do to protect themselves to recover from incidents.
	Ensure that written materials are developed for non-English speaking individuals or others who require FNSS.
	Disaster warning and information
	Develop and release updated EAS messages based on incoming information.
	Document which EAS messages have been delivered over radio and television.
	Ensure that accurate information is disseminated describing such items as the locations of shelters, missing persons information hotline, volunteer hotline, rumor control hotline, etc.
	Distribute prepared public educational materials.
	Media coordination
	Establish and maintain contact with the EOC and/or the ICP.
	Prepare press releases and ensure that all press releases and official information is reviewed by **(positions that will review press releases, e.g. CEO, City/Township Manager, etc.)**.
	Verify that information is accurate before releasing it to the media.
	Schedule media briefings.
	Establish a Public Information Center as the central point from which municipal news releases are issued at **(location)**.
	Assist the county in establishing a Joint Information Center (JIC; the JIC can be used by agency representatives for releasing information to the news media).
	Coordinate public information activities with the County PIO and the JIC.
	Schedule interviews between the CEO and media agencies.
	Monitor all forms of media, both traditional and social, for rumors, and address rumors as soon as possible

The following agency is responsible for this annex:

AGENCY	TITLE OF CONTACT

The line of succession for representing the Public Information function during a response to an emergency or disaster situation is:

TITLE	AGENCY

(Title of individual or responsible department) is responsible for reporting or delegating another individual from their agency to report to the EOC during scheduled exercises or emergencies to coordinate and represent the Public Information function.

SIGNATURE OF PUBLIC INFORMATION OFFICIAL	DATE

~~ANNEX H~~

PUBLIC SAFETY

The Public Safety function is concerned to ensuring the safety of all citizens, maintaining law and order, protecting public and private property and providing protection for essential industries, supplies and facilities.

The Public Safety Official will maintain liaison and coordinate emergency management and response activities with the Public Safety function at the county level. This annex relates to the following annex(es) in the **(County EOP/EAG)**: **(Applicable county annexes or ESFs; e.g., Law Enforcement Annex, ESF#13 – Public Safety and Security)**

Responsible Agency: **(e.g., Police Department)**

Public Safety Checklist

	Report to the EOC, when activated, for scheduled exercises and disasters, or delegate another from the agency to staff the EOC and implement the plan.
	Response activities
	Provide security and access control at critical facilities and incident sites.
	Implement any curfews ordered by the governor or CEO.
	Enforce evacuation orders and assist in evacuations.
	Ensure prisons and jails are notified of potential threat and determine whether proper safety and security precautions are being taken.
	Implement urban search and rescue capabilities, including animals.
	Investigate incident and provide intelligence information to county, state and federal officials.
	Transportation
	Secure unusable roads. (Use Fire Services and Public Works for support, if necessary).
	Identify routes that need barricades and signs. Request necessary assistance from Public Works.
	Ensure vehicles on evacuation routes are removed. If necessary, request that Public Works agencies move vehicles off the road. Maintain record of where vehicles are being taken.
	Coordinate with the Road Commission or Public Works in rerouting traffic and putting the appropriate signs in place.
	Assistance to other agencies
	Assist Warning function in warning the public, when necessary.
	Assist the medical examiner with mortuary services.
	Assist families isolated by the effects of the disaster.

The following agencies are responsible for this annex:

AGENCY	TITLE OF CONTACT

The line of succession for representing the Public Safety function during a response to an emergency or disaster situation is:

TITLE	AGENCY

(Title of individual or responsible department) is responsible for reporting or delegating another individual from their agency to report to the EOC during scheduled exercises or emergencies to coordinate and represent the Public Safety function.

SIGNATURE OF PUBLIC SAFETY OFFICIAL	DATE

ANNEX I

PUBLIC WORKS

The Public Works function is responsible for conducting pre- and post-incident assessments, ensuring critical services are met through existing contracts, providing technical assistance and engineering expertise and construction management, providing emergency repair of damaged public infrastructure and critical facilities, and the clearing of debris from public roads.

The Public Works Official will maintain liaison and coordinate emergency management and response activities with the Public Works function at the county level. This annex relates to the following annex(es) in the (County EOP/EAG): (Applicable county annexes or ESFs; e.g., Public Works Annex, ESF#1 – Transportation, ESF#3 – Public Works and Engineering and ESF#12 – Energy)

Responsible Agency: (e.g., Public Works Department)

Public Works Checklist

	Report to the EOC, when activated, for scheduled exercises and disasters, or delegate another from the agency to staff the EOC and implement the plan
	Response activities
	Coordinate debris removal activities.
	Coordinate activities designed to control the flow of floodwater.
	Damage assessment
	Provide engineering expertise to inspect public structures and determine if they are safe to use.
	Provide DA information for roads, bridges, buildings, infrastructure, etc. to DA function.
	Transportation
	Provide barricades and signs for road closures and boundary identification (to include activating MAA/MOUs if additional barricades are needed).
	Provide technical expertise in road weight limits, road capacity, etc., to determine whether evacuation routes are adequate for traffic flow.
	Notify law enforcement of the location(s) of disabled vehicles.
	Contact appropriate Michigan Department of Transportation (MDOT) and county transportation officials to request travel restrictions on state and county roads, if necessary.
	Assistance to other agencies
	Assist in identifying access control areas.
	Assist with urban search and rescue activities, if necessary.
	Maintain contact with local utilities to determine the extent and cause of damage and outages. Report this information and restoration schedules to EOC staff.
	Coordinate with utility companies in the restoration of essential services.
	Logistics
	Provide vehicles and personnel to transport essential goods, such as food and medical supplies, when directed by the EOC staff.
	In conjunction with public health, help identify sources of potable water.
	Assist in identifying and obtaining the appropriate construction equipment to support disaster response and recovery operations.
	Provide emergency generators and lighting.

The following agencies are responsible for this annex:

AGENCY	TITLE OF CONTACT

The line of succession for representing the Public Works function during a response to an emergency or disaster situation is:

TITLE	AGENCY

(Title of individual or responsible department) is responsible for reporting or delegating another individual from their agency to report to the EOC during scheduled exercises or emergencies to coordinate and represent the Public Works function.

SIGNATURE OF PUBLIC WORKS OFFICIAL	DATE

From: Baird, Richard (GOV)
Sent: Thursday, December 10, 2015 1:35 PM
To: Chris De Witt
Subject: RE: Fwd: FWATF Proposal

Yes

Sent from my Verizon Wireless 4G LTE DROID
On Dec 10, 2015 12:35 PM, [redacted] wrote:
Thanks. I have some questions on what you sent. Should I contact Capt. Kelenske?

Chris De Witt
De Witt Communications
P.O. Box 4952
East Lansing, MI 48826
517-339-1700 office
[redacted] cell

-------- Original Message --------
Subject: Fwd: FWATF Proposal
From: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Date: Thu, December 10, 2015 11:28 am
To: Chris De Witt <[redacted]>

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov>
Date: Dec 10, 2015 10:50 AM
Subject: FWATF Proposal
To: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Cc: "Etue, Kriste (MSP)" <EtueK@michigan.gov>,"Clement, Elizabeth (GOV)" <clemente@michigan.gov>,"Gorski, Gary (MSP)" <GorskiG@michigan.gov>

Rich

I have located $25,000 to assist in paying for the FWATF communications needs. I would like added to the scope of work for them to update the Local Emergency Operations Support Plan (Pub 204) and train and exercise the plan with appropriate personnel. I attached the template we provide locals to use in developing the plan. Flint has a plan in place but with everything going on and based on interactions recently I am not convinced it is followed or if they even know about it. I am certain the new Mayor is not aware of the Local Support Plan.

Please let me know if you need additional on this or have questions.

Chris

Capt. Chris A. Kelenske

Deputy State Director/Commander

Emergency Management and Homeland Security Division

Michigan State Police

4000 Collins Road

Lansing, MI 48910

(517) 333-5042

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY."

[cid:image001.png@01D06AF2.CCC978D0]<http://www.mi.gov/mspjobs>;

From: Baird, Richard (GOV)
Sent: Tuesday, December 22, 2015 4:27 PM
To: Holland, Meegan (GOV); 'Murray, David (GOV)'
Subject: FW: Meeting with Dr. Mona Hanna-Attisha and Flint Water
Attachments: #flintwatercrisis Secondary Prevention Recommendations 121415.pdf

These are all the areas where long term vigilance needs to be happening.

-----Original Message-----
From: Mona Hanna-Attisha [mailto:[redacted]]
Sent: Tuesday, December 15, 2015 7:40 AM
To: Lyon, Nick (DHHS)
Cc: Baird, Richard (GOV); Laurence Reynolds; Matthew M. Davis; Chris Kolb; Ken Sikkema; Chris De Witt; Eric Rothstein; Hollins, Harvey (GOV)
Subject: RE: Meeting with Dr. Mona Hanna-Attisha and Flint Water

attached

-----Original Message-----
From: Lyon, Nick (DHHS) [mailto:LyonN2@michigan.gov]
Sent: Tuesday, December 15, 2015 6:26 AM
To: Mona Hanna-Attisha
Cc: Baird, Richard (GOV); Laurence Reynolds; Matthew M. Davis; Chris Kolb; Ken Sikkema; Chris De Witt; Eric Rothstein; Hollins, Harvey (GOV)
Subject: Re: Meeting with Dr. Mona Hanna-Attisha and Flint Water

Thank you for the presentation and your approach to this. When you can please share a version of the presentation I can pass in to Sue, Eden and the others in my Population Health area.

Nick

> On Dec 14, 2015, at 7:05 PM, Mona Hanna-Attisha <[redacted]> wrote:
>
>
> Mr. Baird and all the other guys,
>
> It was a pleasure meeting everyone and a privilege to present to you all. As I said, we have an incredible and unique opportunity to mitigate the impact of this population-wide exposure. If we act now, proactively, we can buffer our kids from the life-altering impacts of lead poisoning.
>
> Flint has many claims to fame (we put the world on wheels, we birthed Mr. Baird!, etc); and now, with your leadership, we can continue to build generations of strong, smart, and healthy children.
>
> If I can be of any further assistance, please don't hesitate to contact me. Email or cell [redacted]
>
> Thanks again, Mona

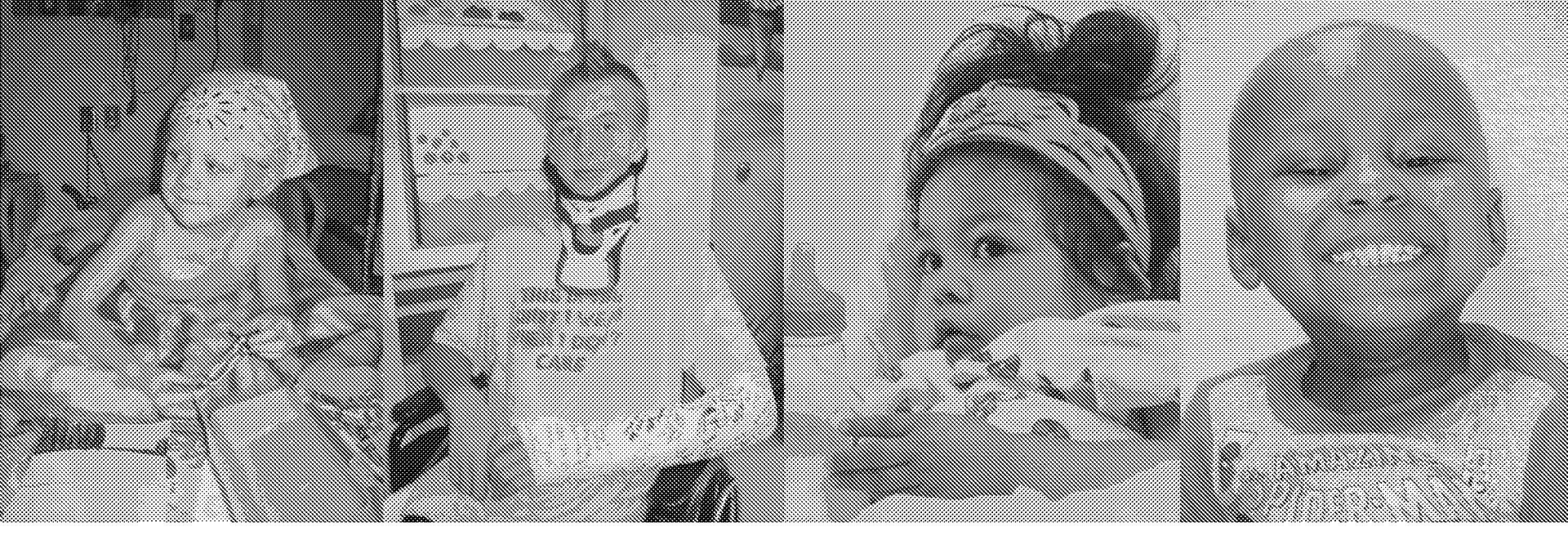
>
> Mona Hanna-Attisha MD MPH FAAP
> Program Director Pediatric Residency
> Hurley Children's Hospital at Hurley Medical Center Michigan State
> University College of Human Medicine Department of Pediatrics and
> Human Development[redacted]
> _____
> From: Baird, Richard (GOV) [bairdr@michigan.gov]
> Sent: Thursday, December 10, 2015 2:27 PM
> Required: Baird, Richard (GOV); Laurence Reynolds; Matthew M. Davis;
> Chris Kolb; Ken Sikkema; Chris De Witt; 'Eric Rothstein'; Lyon, Nick
> (DHHS); Grijalva, Nancy (DHHS); Mona Hanna-Attisha
> Subject: Meeting with Dr. Mona Hanna-Attisha and Flint Water
> When: Monday, December 14, 2015 11:00 AM-12:00 PM.
> Where: Governor's Conference Room, 2nd Floor Romney Building, 111 S.
> Capitol Ave., Lansing, MI 48933
>
> Good Morning,
>
> This is to confirm the meeting with Rich Baird on Monday, December 14 at 11:00 a.m. in the Governor's Conference room, second floor Romney Building, 111 S. Capitol Ave. Lansing, MI 48933.
>
> We are located at the George W. Romney Building, 111 S. Capitol
> Avenue, Lansing. The Romney Building is located directly across the
> street (Capitol Avenue) from the Capitol Building. There is some
> metered parking around the building. The closest parking facility is
> one block south at the corner of Capitol Avenue and Allegan Street
> (enter the parking facility from Capitol Avenue).
> https://www.parkme.com/lot/93032/tower-parking-ramp-lansing-mi
>
> You will also want to have a picture I.D. handy for security in the Romney Building. Please let security know who you have a meeting with, they will call me and then send you up to the second floor.
>
> Please let me know if you have any questions.
>
> Thank you!
>
> Virginia Manolakoudis
> Executive Assistant for Richard Baird
> Executive Office of Governor Rick Snyder
> (517) 241-5621
> [redacted]
>
>
>
>
>
>
>
> <#flintwatercrisis Secondary Prevention Recommendations 121415.pdf>

#flintwatercrisis

HURLEY CHILDREN'S HOSPITAL

Background & Secondary Prevention

Mona Hanna-Attisha MD MPH FAAP
Hurley Children's Hospital
Michigan State University College of Human Medicine



Agenda

- Flint Water Timeline
- Lead Facts
- Hurley Research Findings
- Introduction to Toxic Stress
- Next steps – Secondary Prevention

Flint Drinking Water Crisis

HURLEY CHILDREN'S HOSPITAL

- Financial Emergency Managers
- Water switch to Flint River (April 2014)
- Fecal coliform and boil advisories *3 (Sept 2014)
- GM stopped using Flint water – corroding parts (Oct 2014)
- Disinfectant byproducts TTHM (Jan 2015-Sept 2015)

Flint Drinking Water Crisis

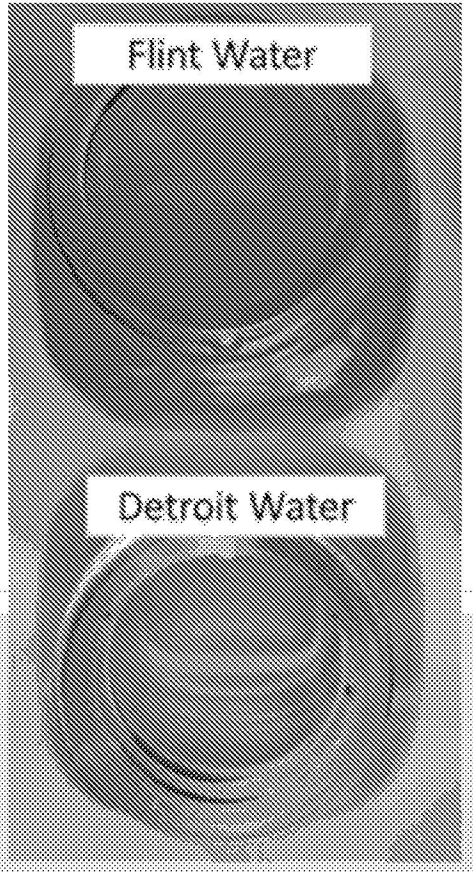
HURLEY CHILDREN'S HOSPITAL

- Perfect storm for lead leaching
  - Flint water more corrosive
  - Lack of corrosion control
  - Aging infrastructure (lead plumbing)
  - Decreased water use - population loss, high water rates

Flint Drinking Water Crisis

HURLEY CHILDREN'S HOSPITAL

- High lead levels detected, EPA contacted (February 2015)
- Leaked EPA memo (June 2015)
  - LeeAnn Walters WLL 13,200 ppb (toxic waste)
- Dr Marc Edwards, Virginia Tech Research (Aug 2015)
  - Flintwaterstudy.org
  - Corrosion & water lead
- Hurley Research (Sept 2015)



https://www.wsws.org/en/articles/2015/09/26/flin-s26.html

Why do we care about lead?

HURLEY CHILDREN'S HOSPITAL

- Lead is a potent neurotoxin with lifelong, multigenerational impacts
- Blood lead levels (BLL) 5 ug/dL or more considered elevated blood lead levels (EBLL)
- Just a few years ago (2012), 10 ug/dL was cutoff
- NO safe blood lead level
- Disproportionately impacts low income and minority children

- Primary prevention is most important

HURLEY MEDICAL CENTER

Primary Prevention

HURLEY CHILDREN'S HOSPITAL

- "Because no measurable level of blood lead is known to be without deleterious effects, and because once engendered, the effects appear to be irreversible in the absence of any other interventions, public health, environmental and housing policies should encourage PREVENTION of all exposure to lead."

"Low Level Lead Exposure Harms Children: A Renewed Call for Primary Prevention." 2012 CDC Advisory Committee on Childhood Lead Poisoning Prevention.

HURLEY MEDICAL CENTER

Impact on cognition

HURLEY CHILDREN'S HOSPITAL

- Vast evidence supports increased likelihood of:
  - Decrease in IQ
    - An increase in BLL from 1 to 4 ug/dL, drops mean IQ -3.7 points
  - Small change in mean IQ, shifts entire population IQ distribution
    - Reduces high achievers IQs (>130) and increases kids with low IQs (<70)
    - Implications for early intervention, special education services, employment, incarceration, life achievement, etc

Lanphear BP et al., Low-level environmental lead exposure and children's intellectual function: an international pooled analysis. Environ Health Perspect, 2005. 113:894-9.
Fewtrell LJ, Pruss-Ustun A, Landrigan P, and Ayuso-Mateos JL, Estimating the global burden of disease of mild mental retardation and cardiovascular diseases from environmental lead exposure. Environmental Research, 2004. 94:120-33.

HURLEY MEDICAL CENTER

Impact on behavior

HURLEY CHILDREN'S HOSPITAL

- Increased likelihood of :
  - ADHD behaviors
  - Delinquent behaviors and arrests
  - Total arrests and increased rates of arrests involving violent offenses
  - Other health effects: hematologic, cardiovascular, immunologic, endocrine, etc

Wright, JP, KN Dietrich, MD Ris, et al. 2008. Association of prenatal and childhood blood lead concentrations with criminal arrests in early adulthood. *PLoS Med* 5(5): e101
Chen, A, B Cai, KN Dietrich, et al. 2007. Lead exposure, IQ, and behavior in urban 5-7 year-olds: Does lead affect behavior only by lowering IQ? *Pediatrics* 119(3): e650-e658.
Needleman, HL, C McFarland, RB Ness, et al. 2002. Bone lead levels in adjudicated delinquents: A case control study. *Neurotoxicology and Teratology* 24(6):711-717.

HURLEY MEDICAL CENTER

Cost

HURLEY CHILDREN'S HOSPITAL

- "For childhood lead poisoning, $5.9 billion in medical care costs, as well as an additional **$50.9 billion** (sensitivity analysis: $44.8–$60.6 billion) per year in lost economic productivity resulting from reduced cognitive potential from preventable childhood lead exposure."

- "The present value of Michigan's economic losses attributable to lead exposure in the 2009 cohort of 5 year-olds ranges from $3.19 (using U.S. blood lead levels) to **$4.85 billion** (using Michigan blood lead levels) per year in loss of future lifetime earnings."

Leonardo Trasande and Yinghua Liu. Reducing The Staggering Costs Of Environmental Disease In Children, Estimated At $76.6 Billion In 2008. *Health Affairs*, 30, no.5 (2011):863-870

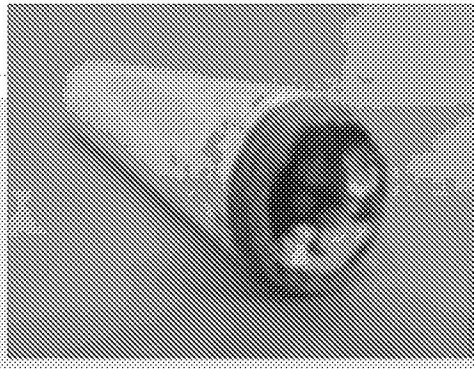
The Price of Pollution: Cost Estimates of Environment-Related Childhood Diseases in Michigan. 2010 Report by Michigan Network of Children's Environmental Health

HURLEY MEDICAL CENTER

Lead in Water

HURLEY CHILDREN'S HOSPITAL

- Not what medicine/public health used to
  - Lead paint obsessed
  - "drinking through a lead painted straw"
- Soluble metal – ingestion via particulate or dissolved in water
- Drinking and cooking risks



Lead in water

HURLEY CHILDREN'S HOSPITAL

- Disproportionally impacts developmentally-vulnerable formula-fed infants
  - For about 25% of infants drinking formula made from tap water at 10 ppb, blood lead would rise >= 5 ug/dL
- Significant risk to unborn babies
  - Increase in fetal deaths and reduced birth weights

Triantafyllidou, S., Gallagher. D. and Edwards, M. Assessing risk with increasingly stringent public health goals: the case of water lead and blood lead in children. Journal of Water and Health. doi: 10.2166/wh.2013.067 58-68 (2014).
Edwards, M. Fetal Death and Reduced Birth Rates Associated with Exposure to Lead-Contaminated Drinking Water. Env. Sci. and Tech. 2013 DOI: 10.1021/es4034952

HURLEY MEDICAL CENTER

HURLEY CHILDREN'S HOSPITAL

Hurley Children's RESEARCH FINDINGS

Sept 24

Medical Community Press Conference

HURLEY MEDICAL CENTER

Methods

- HMC IRB approved
- Data from all blood lead levels processed at Hurley Medical Center
- ZIP code based
- Two periods of comparison (same seasons):
  - PRE-SWITCH: January 1, 2013 – September 15, 2013
    - WATER SWITCH APRIL 26, 2014
  - POST-SWITCH: January 1, 2015 – September 15, 2015
- Analyzed % Elevated Blood Lead (EBLL)
  - EBLL = Blood lead Levels >= 5 ug/dL

Initial Research Results

- Zip code based (in media)

	ALL FLINT ZIPS (n=1746)	HIGH-WLL FLINT ZIPs (48503-48504) (n=742)	NON-FLINT ZIPS (n=1670)
PRE-SWITCH	2.1%	2.5%	0.6%
POST-SWITCH	4.0%	6.3%	1.0%

GEOcoded Analysis

HURLEY CHILDREN'S HOSPITAL

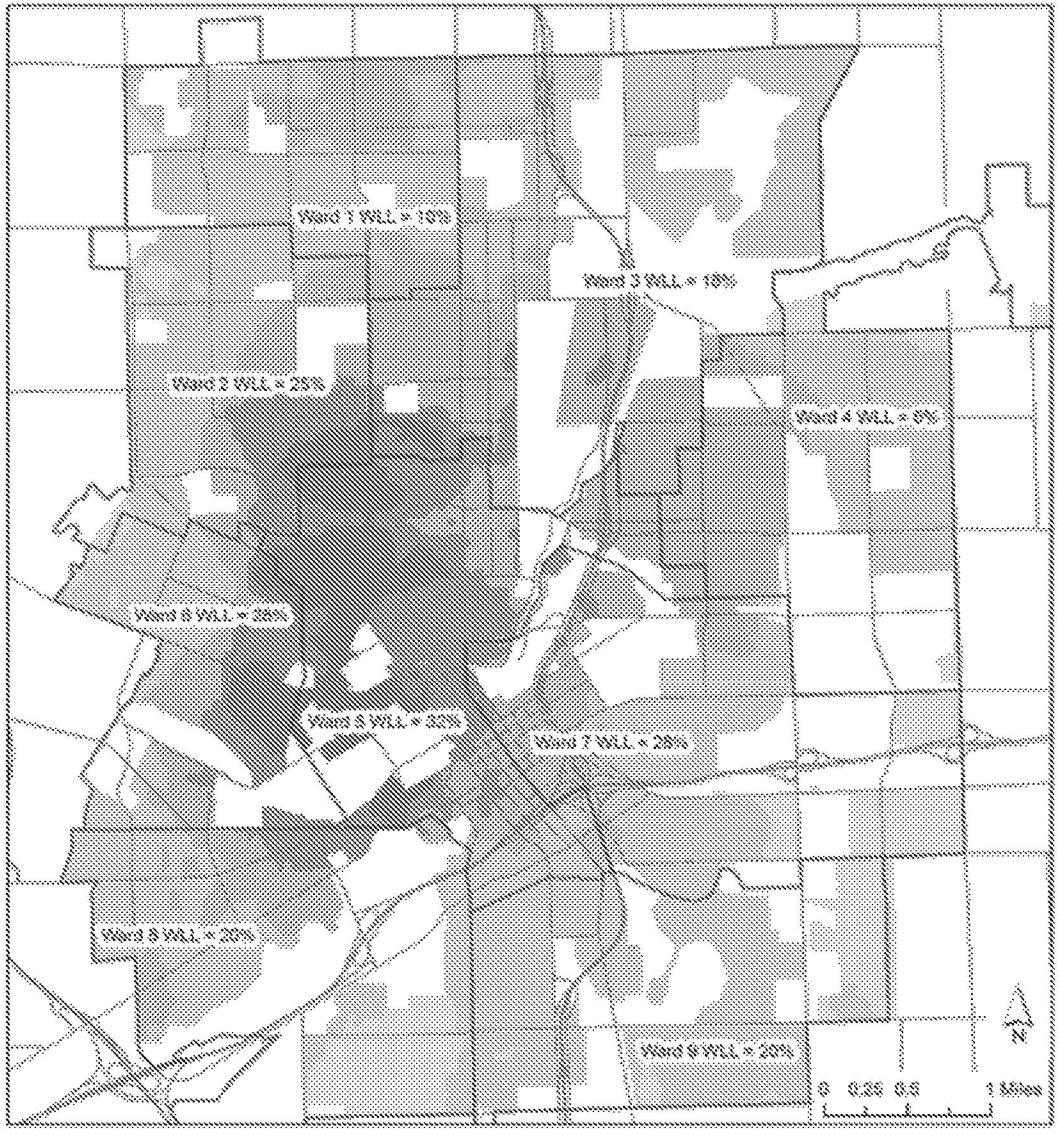
- N= 1473 for Flint water children (pre n=736, post n=737)
- N= 2202 for non-Flint water children (pre n=1210, post n=992)

Flint results for children 5 years and under:

- PRE-SWITCH % EBLL: **2.4%**
- POST-SWITCH % EBLL: **4.9%**
- **$p < 0.05$; STATISTICALLY SIGNIFICANT CHANGE**

HURLEY MEDICAL CENTER

HURLEY CHILDREN'S HOSPITAL



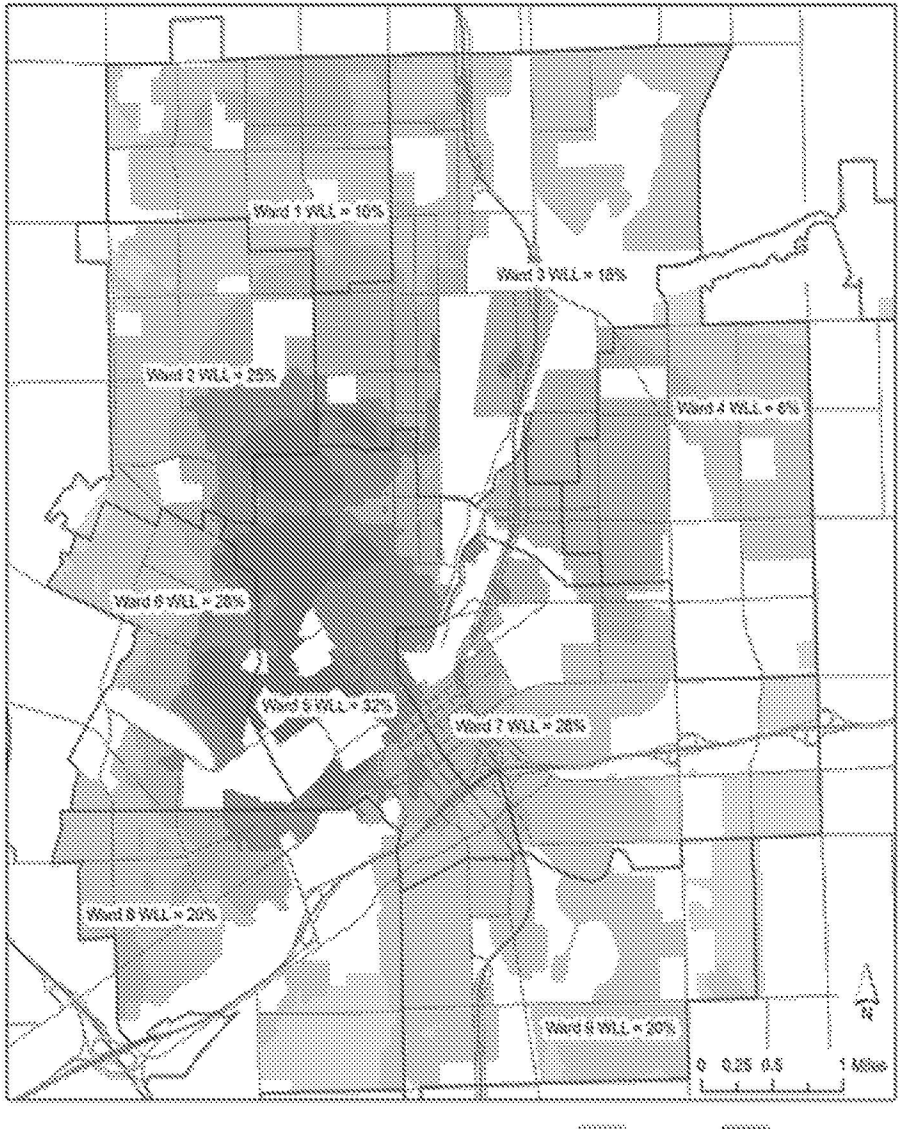
- Focus on high WLL wards (5, 6, 7); ie., those with high water lead levels

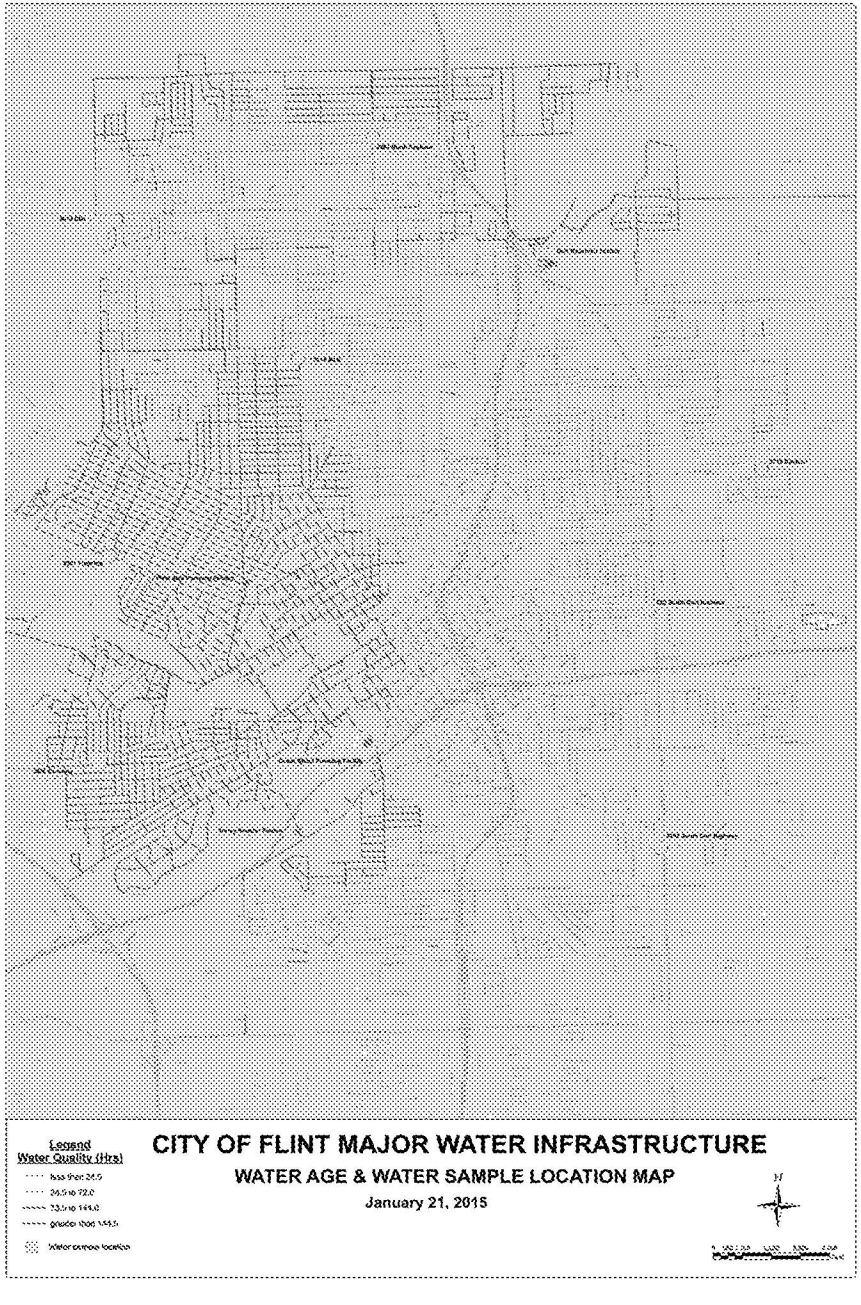
Results:

- PRE-SWITCH % EBLL: **4.0%**
- POST-SWITCH % EBLL: **10.6%**
- **$p < 0.05$; STATISTICALLY SIGNIFICANT CHANGE**

- Note: Hot spots between wards/zips

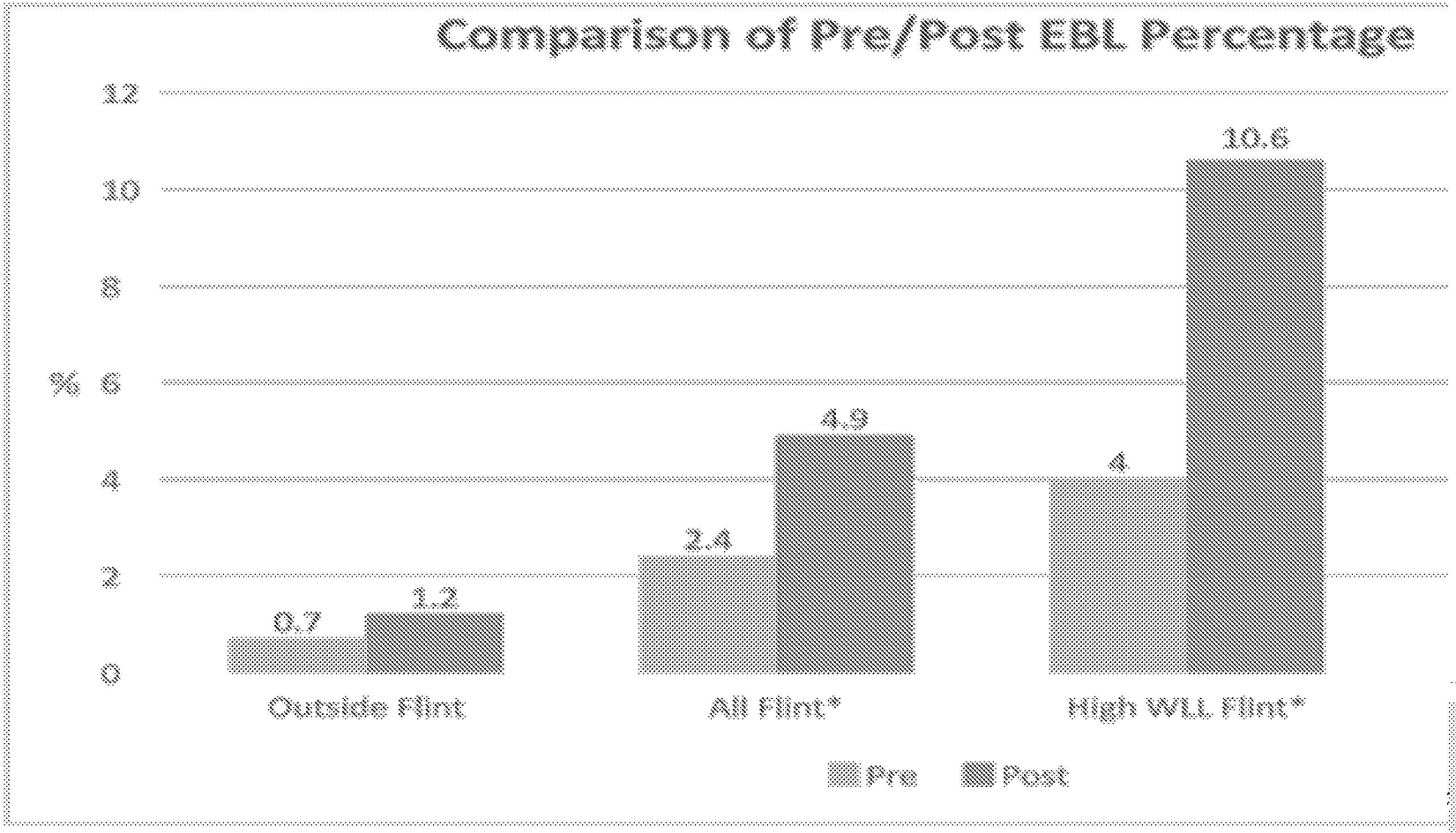
HURLEY MEDICAL CENTER


Ward 1 WLL = 18%
Ward 3 WLL = 18%
Ward 2 WLL = 25%
Ward 4 WLL = 6%
Ward 6 WLL = 28%
Ward 5 WLL = 32%
Ward 7 WLL = 28%
Ward 8 WLL = 20%
Ward 9 WLL = 30%
0 0.25 0.5 1 Miles
Flint City Wards
Major Streets
"Ward Y WLL = XX%" = % of ward where any water sample exceeded 15 ppb
Predicted BLL based on Ordinary Kriging Geostatistical Analysis
0.7 - 0.75
0.76 - 1
1.01 - 1.25
1.26 - 1.5
1.51 - 1.75
1.76 - 2
2.01 - 2.25
2.26 - 2.5
2.51 - 2.75
2.76 - 3.35
*Non-residential zones screened from results


Legend
Water Quality (Hrs)
less than 24.0
24.0 to 72.0
73.0 to 144.0
greater than 144.0
Water service location
CITY OF FLINT MAJOR WATER INFRASTRUCTURE
WATER AGE & WATER SAMPLE LOCATION MAP
January 21, 2015
N

Pre/Post EBL

HURLEY CHILDREN'S HOSPITAL



*p<0.05

Research results

- % of children with EBLL in Flint zips increased
  - Most striking increase in areas with highest water lead levels
- **Results significantly underestimate exposure:**
  - Infants not screened for lead
  - BLL may have peaked before being measured (blood half life 20-30 days)
  - Kids exposed in different settings throughout city
- Widened disparities
- Failure of primary prevention

What happened next?

- Sept 25 City of Flint Lead Health Advisory
- Sept 29 GCHD Health Advisory
- Oct 1 GCHD Public Health Emergency
- Oct 2 State filter program, increased water testing, expedited corrosion control
  - Oct 3 First filter distribution
- Oct 8 Three schools toxic WLL, announced reconnection to DWSD
- Oct 16 Water switched back to DWSD

Epigenetics

HURLEY CHILDREN'S HOSPITAL

Wayne State Researchers Discover Evidence That Lead Exposure in Mothers Can Affect Future Generations

Released: 2-Oct-2015 3:05 PM EDT
Source Newsroom: Wayne State University Division of Research

"A team of researchers at Wayne State University have discovered that mothers with high levels of lead in their blood not only affect the fetal cells of their unborn children, but also their grandchildren. "

HURLEY MEDICAL CENTER

Now

HURLEY CHILDREN'S HOSPITAL

- Preventable population-wide exposure
- Community traumatized
- Loss of trust in government and agencies
  - In 2015, in the middle of the great lakes, no guarantee of safe drinking water
- Ongoing public health emergency

Exposed Population

HURLEY CHILDREN'S HOSPITAL

- Currently identifying/labeling exposed population
- Cohort includes all children less than 6 years who at any time lived in Flint water limits (geocoded) from April 2014 to end date unknown (extend 9 months for fetal exposure).
- Per census data, approx. 8,000-9,000 children

HURLEY CHILDREN'S HOSPITAL

Quick Introduction to ACEs/Toxic Stress…

HURLEY MEDICAL CENTER

Adverse Childhood Experiences (ACEs)

HURLEY CHILDREN'S HOSPITAL

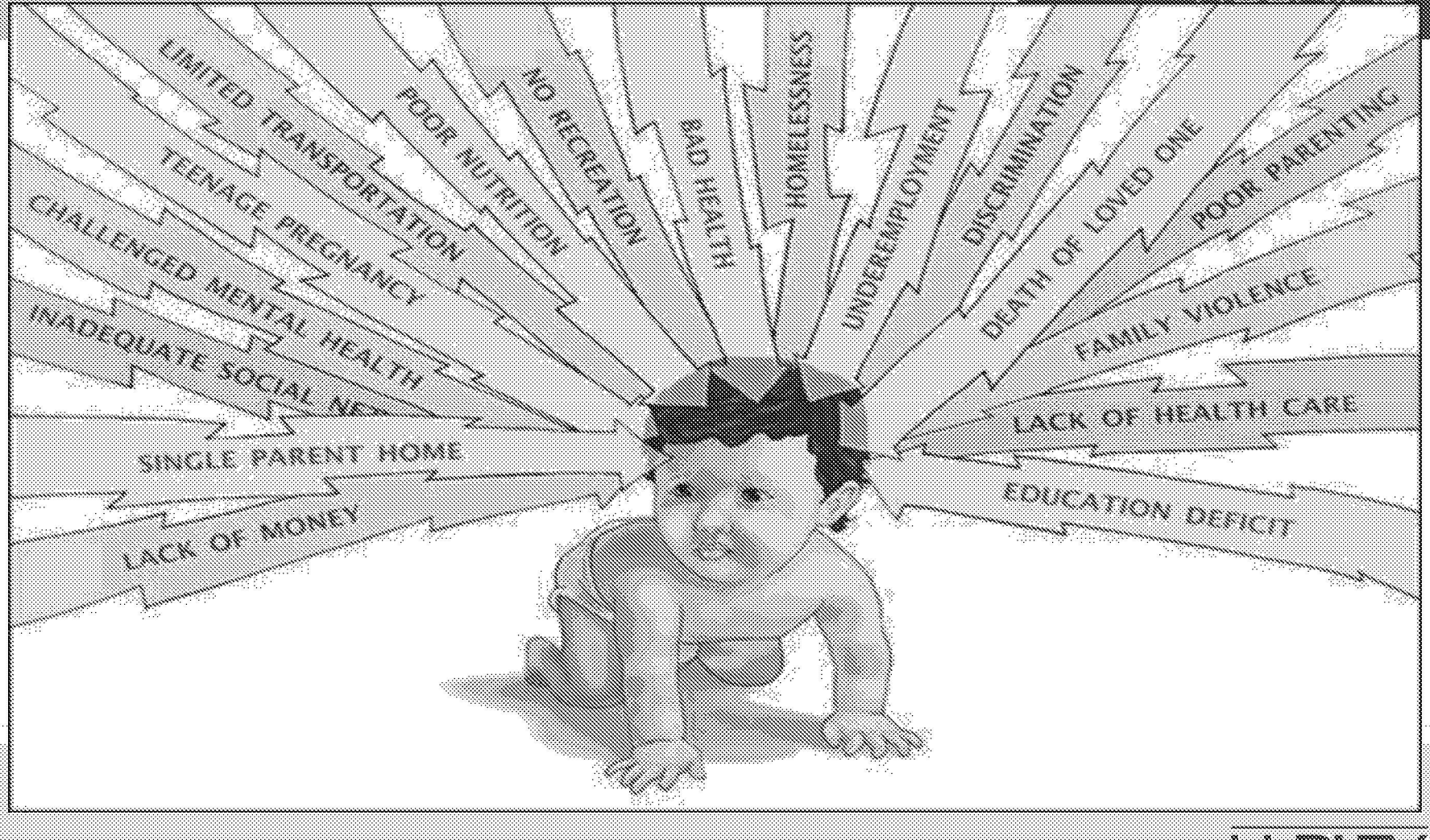
- ACEs are potentially traumatic events that can have negative, lasting effects on health and well-being.
- Also referred to as toxic stress or childhood trauma.
- As number of ACEs increase, the risk for health problems increase in a strong and graded fashion.
- An ACE score of 6 or more results in a 20 year decrease in life expectancy.

- CDC ACE study
  - Kaiser Permanente from 1995 to 1997 with more than 17,000 participants.

HURLEY MEDICAL CENTER

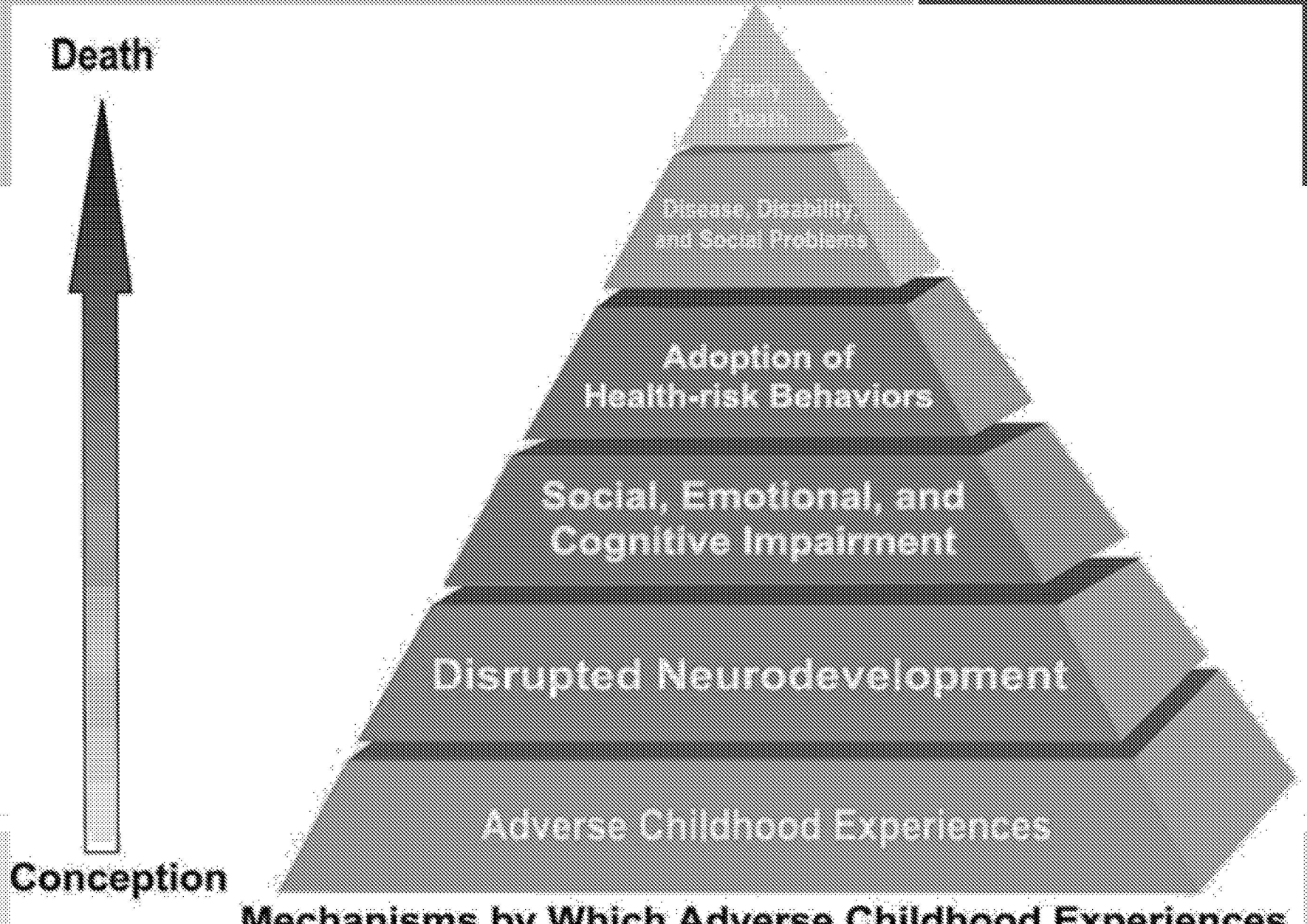
Toxic Stresses

HURLEY CHILDREN'S HOSPITAL



HURLEY MEDICAL CENTER

https://casaofsantacruz.wordpress.com/2014/10/08/continuing-education-webinar-how-toxic-stress-impacts-cas-children-families-communities-2/

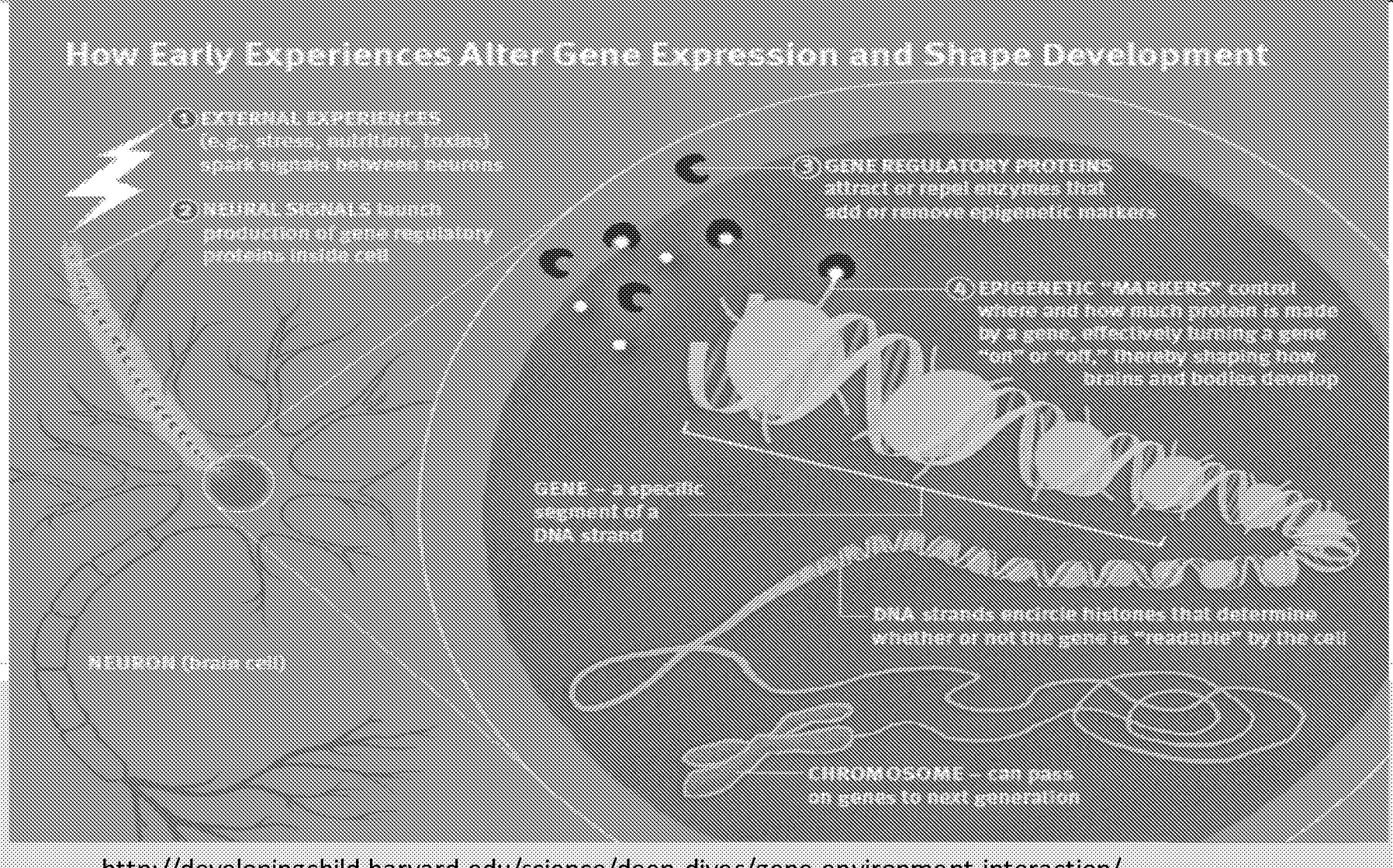


Mechanisms by Which Adverse Childhood Experiences Influence Health and Well-being Throughout the Lifespan

http://www.cdc.gov/violenceprevention/acestudy/

EPIGENETICS

HURLEY CHILDREN'S HOSPITAL



http://developingchild.harvard.edu/science/deep-dives/gene-environment-interaction/

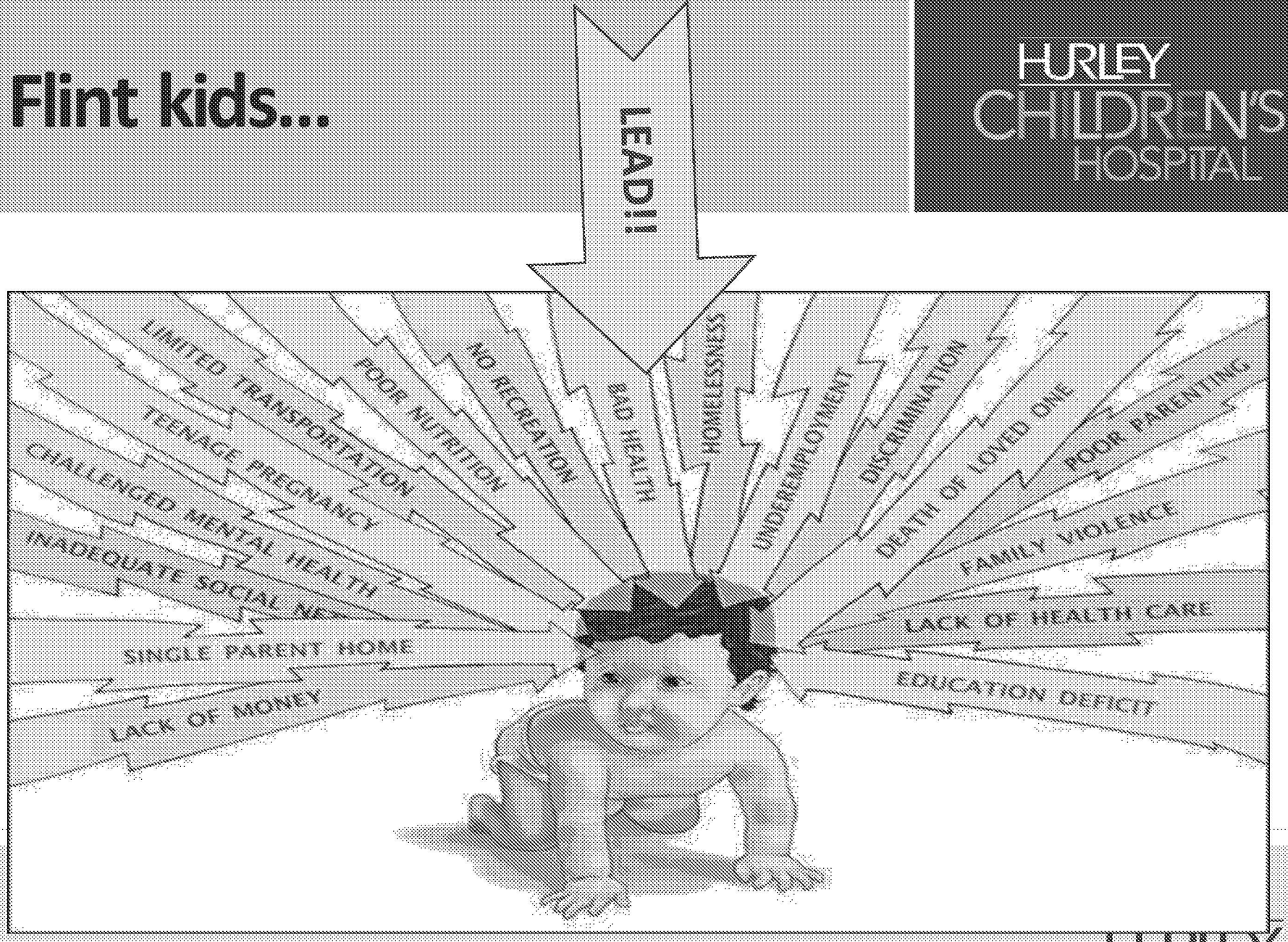
ACE/Toxic Stress

HURLEY CHILDREN'S HOSPITAL

- Many chronic diseases/disparities in adults are determined decades earlier, by experiences in childhood (0-6 critical)
- Lead exposure is an ACE/toxic stress

Flint kids...

HURLEY CHILDREN'S HOSPITAL



HURLEY MEDICAL CENTER

- Now what can we do???

Research/Assessment

HURLEY CHILDREN'S HOSPITAL

- Assess the impact of the exposure
  - Health impact
    - BLL
    - Longitudinal neurodevelopmental f/u
    - Cord blood Pb, brain injury markers, epigenetics
    - Retrospective fetal deaths, IUGR
  - Nutrition impact
  - Psychosocial impact
  - Water quality/infrastructure impact
- Continued monitoring
  - Academic/public health collaborations

HURLEY MEDICAL CENTER

Secondary Prevention

HURLEY CHILDREN'S HOSPITAL

- Unique opportunity to be proactive, to regain public trust, and to **buffer** impact of exposure
  - Short Term
  - Long Term

Short-Term Secondary Prevention

HURLEY CHILDREN'S HOSPITAL

- Consistent, coordinated, multi-method, trusted messaging/education/risk communication/PSAs
  - Need for central command/hub/emergency response

Short-Term Secondary Prevention

- Water still not safe (public health emergency)
  - Corrosion control optimization
  - Ongoing risk from scale disruption
  - Door to door filter/replacement distribution
    - # filters distributed approx 1/3 of homes
  - Public education re water precautions (filters, flushing, cold water, cooking, infants, etc)
  - Lead plumbing

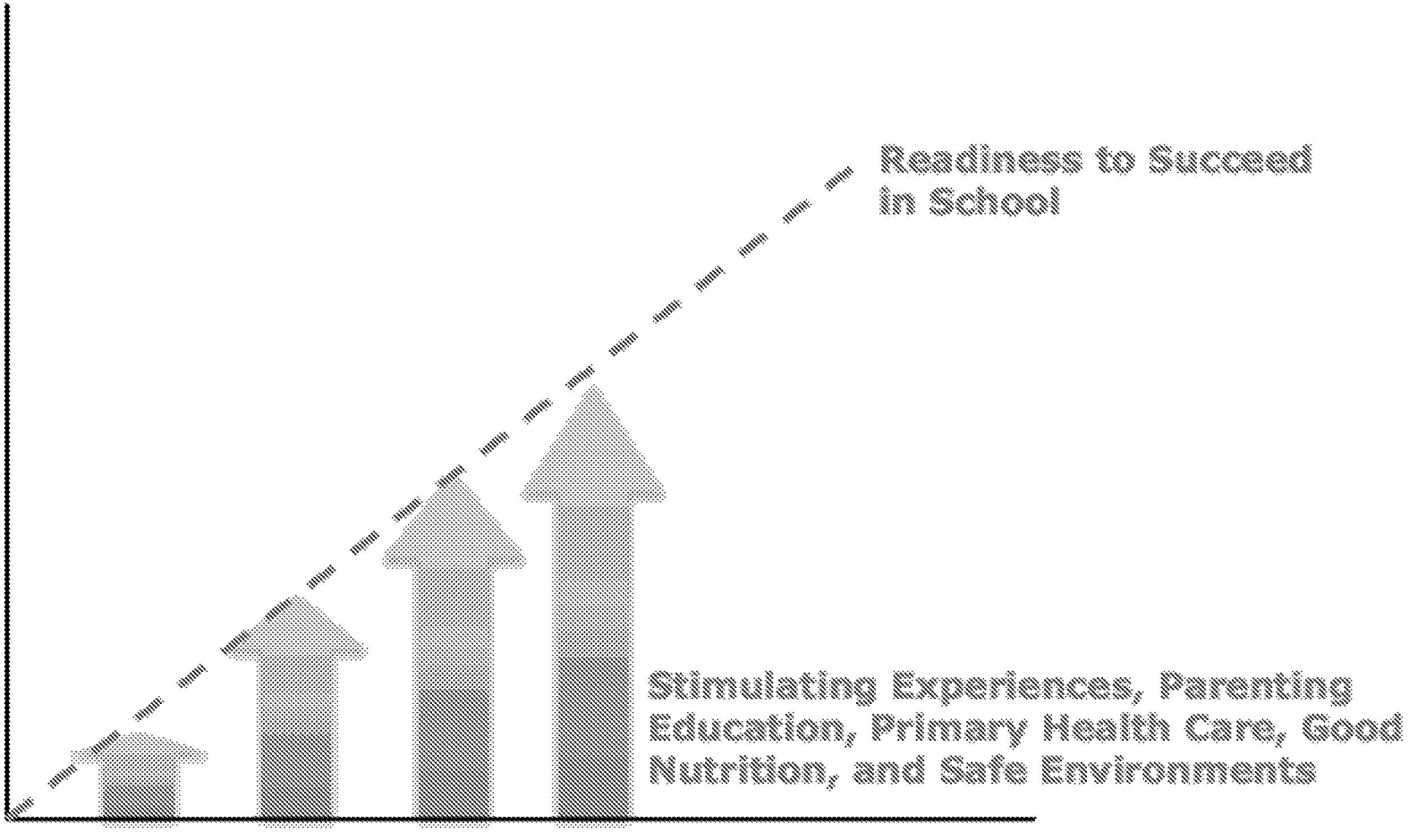
HURLEY CHILDREN'S HOSPITAL

Secondary Prevention Evidence Based Interventions

HURLEY MEDICAL CENTER

We know what works....

HURLEY CHILDREN'S HOSPITAL

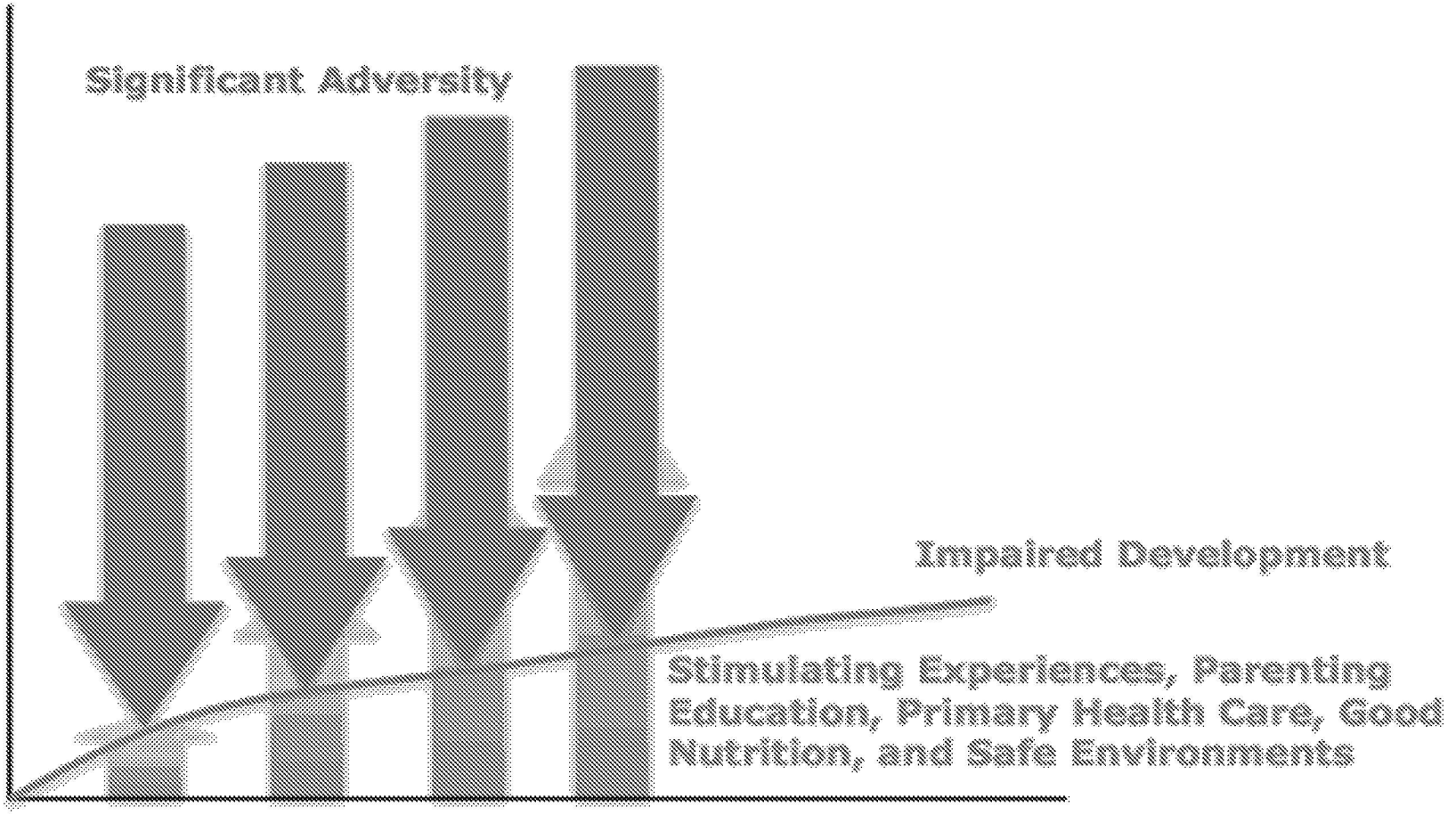


https://www.aap.org/en-us/advocacy-and-policy/federal-advocacy/Documents/Panel%201%20-%20Shonkoff%20Center%20on%20the%20Developing%20Child%20Presentation.pdf

HURLEY MEDICAL CENTER

And we know what hurts...

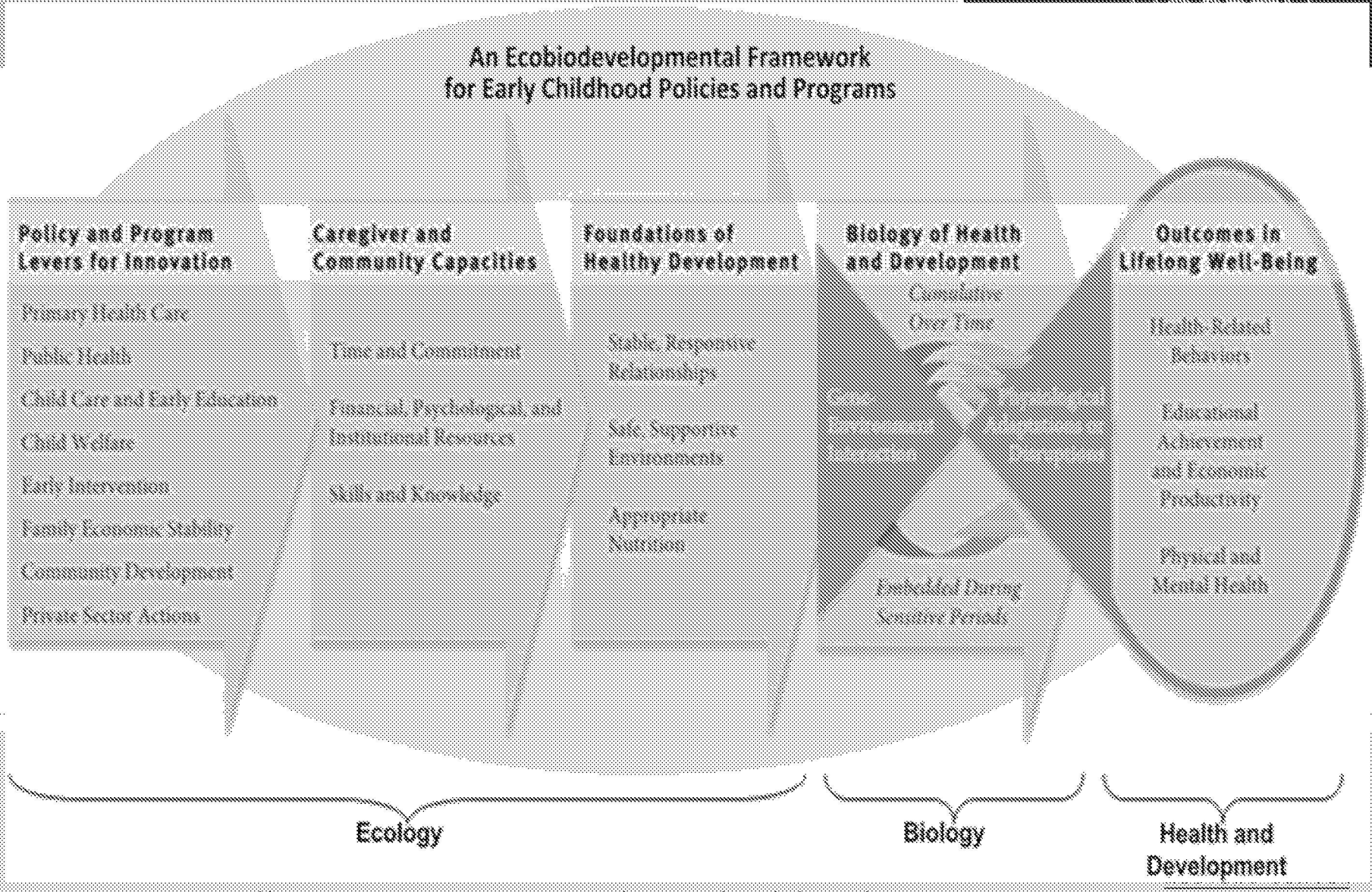
HURLEY CHILDREN'S HOSPITAL



https://www.aap.org/en-us/advocacy-and-policy/federal-advocacy/Documents/Panel%201%20-%20Shonkoff%20Center%20on%20the%20Developing%20Child%20Presentation.pdf

HURLEY MEDICAL CENTER

Evidence Based Interventions



http://pediatrics.aappublications.org/content/129/1/e232/F2.expansion.html

#flintwatercrisis
Secondary Prevention

HURLEY CHILDREN'S HOSPITAL

- Medical/Health
- Nutrition
- Education
- Caregiver capacity
- Water quality

Secondary Prevention
Medical/Health

HURLEY CHILDREN'S HOSPITAL

- Support and education for primary care providers regarding aggressive long-term neurodevelopmental screening & testing
- Improve access to Developmental and Behavioral (DBP) specialists, pediatric psychologists, pediatric psychiatrists
  - Preemptive referral to mental health/toxic stress screening
  - Support capacity building and/or incentivize recruitment to allow Genesee Health System (CMH) to build this capacity which is currently needed and lacking
- Increase recognition and education regarding trauma informed care, social determinants of health (SDOH)
- Consider health fund/enrollment in Children's Special Health Care Services (CSHCS) for exposed kids to cover long-term needs

HURLEY MEDICAL CENTER

Secondary Prevention Medical/Health

- Expand state-funded Genesee Health System (CMH) services
  - Infant Mental Health (30 capacity)
  - Child case management
  - Home-based services
  - Trauma informed care – trauma focused CBT

Secondary Prevention
Medical/Health

HURLEY CHILDREN'S HOSPITAL

- Role of Medicaid HMO plans:
  - Support to drive patients to medical home: enhanced transportation, case management, HEDIS monitoring, pt incentives, mental health access, etc
  - Reimbursement for integrated social work, registered dietician, mental health services, OT/PT services
  - Encourage collaboration/mandate support of Genesee Children's Healthcare Access Program (CHAP)

HURLEY MEDICAL CENTER

Hurley Children's Clinic

Thinking Outside The Box

HURLEY CHILDREN'S HOSPITAL

- Transportation
- Social work
- WIC RD/Nutrition
- Peds Psychology
- Training site

HURLEY MEDICAL CENTER

Secondary Prevention
Nutrition

HURLEY CHILDREN'S HOSPITAL

- Short-term mitigation/protection
  - Promotion/education of Iron, Calcium, Vit C diets
- Promote enrollment and participation in pre-existing nutrition resources (WIC, SNAP, DUFB, MTA)
- Expand WIC eligibility, access (co-locate with PMD), benefits

Secondary Prevention
Nutrition

HURLEY CHILDREN'S HOSPITAL

- Improve food access/security efforts
  - Subsidies, pilots – grocery stores, mobile groceries, urban farming, etc
- Invest in breastfeeding promotion, education, and support services

Secondary Prevention
Education

- Subsidize quality childcare options
- Automatic referral/assessment by Early Intervention (Early On)
- Enroll all in early head start, head start
  - Universal Pre-school/Flint Pre-Promise
- Strengthen special education capacity/trained personnel

Secondary Prevention
Education

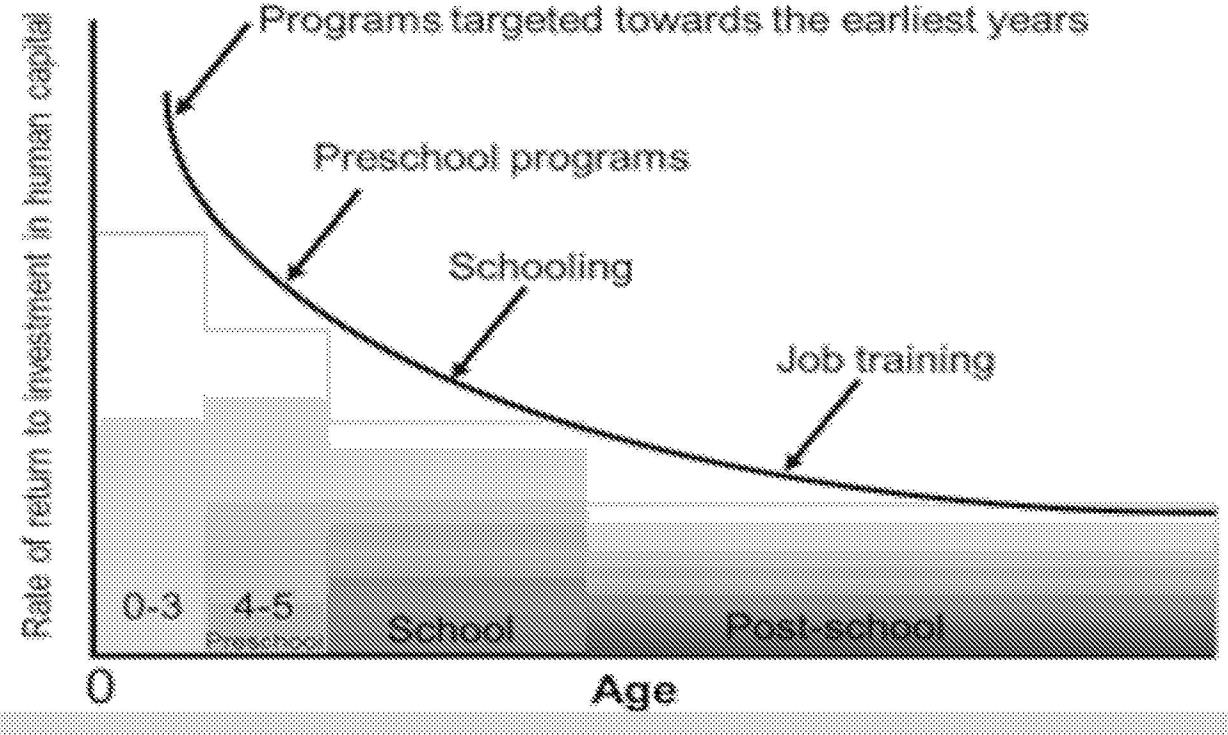
HURLEY CHILDREN'S HOSPITAL

- Invest in school health/wellness/behavioral health
  - School nurse:student ratio – MI ranked worst in country
  - 1:750 recommended
  - 1:6,500 Flint
- Place MDHHS employee at every school
- Model lead safe school campaigns
  - Proactive water testing, lead plumbing investigations
  - Lead mitigating school nutrition

Investing in Children: Younger The Better

HURLEY CHILDREN'S HOSPITAL

Rates of Return to Human Capital Investment at Different Ages: Return to an Extra Dollar at Various Ages



https://www.aap.org/en-us/advocacy-and-policy/federal-advocacy/Documents/Panel%202%20-%20Marks%20RWJF%20Presentation.pdf

HURLEY MEDICAL CENTER

Secondary Prevention
Caregiver capacity

HURLEY CHILDREN'S HOSPITAL

- Toxic stress and resilience
  - "Strong, frequent, and/or prolonged activation of the body's stress-response system in the absence of the **buffering protection of a supportive, adult relationship**."

Shonkoff, J & Garner, A. (2012) The lifelong effects of early childhood adversity and toxic stress. Pediatrics, 129(1). 232-246.

HURLEY MEDICAL CENTER

Secondary Prevention
Caregiver capacity

HURLEY CHILDREN'S HOSPITAL

- Need to support parents and programs to improve parenting skills
- Evidence-based parenting programs
  - Incredible Years (HCH AAP Grant)
  - Triple P
  - Everyday Parenting
  - Adventures in Parenting
  - Home visiting programs
  - Strengthening Families Framework
  - Maternal Infant Health Program (MIHP)
  - Healthy Start
  - Nurse Family Partnership (NFP)

HURLEY MEDICAL CENTER

Nurse Family Partnership

HURLEY CHILDREN'S HOSPITAL

- 56% reduction in emergency room visits for accidents and poisonings in the second year of the child's life
- 50% reduction in behavioral problems when the children enter school.
- 48% reduction in state-verified reports of child abuse and neglect by child age 15
- 39% fewer healthcare encounters for injuries or ingesions in the first two years of life
- Increase in language scores

"Nurse-Family Partnership", Early Childhood, Social Programs That Work, Coalition for Evidence-Based Policy
hVp://evidencebasedprograms.org/wordpress/?page_id=57

HURLEY MEDICAL CENTER

Secondary Prevention
Caregiver capacity

HURLEY CHILDREN'S HOSPITAL

- Increase support for state-funded NFP, Healthy Start and MIHP
  - Hurley-run NFP capacity for 100

HURLEY MEDICAL CENTER

Secondary Prevention
Water Safety/Infrastructure

HURLEY CHILDREN'S HOSPITAL

- Opportunity to model best practices for lead in water monitoring to protect public health rather than a focus on minimum compliance
  - EPA Flint Safe Drinking Water Taskforce
- Flint will change water source and treat water again once connected to KWA (2016), should not be rushed
- Full lead plumbing replacement (can be targeted)

HURLEY MEDICAL CENTER

Next Steps

HURLEY CHILDREN'S HOSPITAL

- Primary prevention failed
  - Preventable population-wide exposure
- Secondary prevention must be priority

- Invest and prioritize in evidence based interventions that mitigate exposure and build childhood resilience
  - Ages 0 to 6 years critical for life course trajectory

HURLEY MEDICAL CENTER

Top Five Interventions

HURLEY CHILDREN'S HOSPITAL

1. Support for emergency response
2. Increase funding/capacity for home visiting maternal-infant support programs
3. Guarantee Flint Pre-Promise (3-5 year quality early education)
4. Fund RN in every Flint school
5. Encourage innovative Medicaid HMO plan and medical home initiatives (ie: CHAP)

HURLEY MEDICAL CENTER

HURLEY CHILDREN'S HOSPITAL

It's easier to build strong children than to repair broken men.

Frederick Douglass, 1855

HURLEY MEDICAL CENTER

Additional Resources

HURLEY CHILDREN'S HOSPITAL

- Harvard Center for Developing Child
  - http://developingchild.harvard.edu/
- AAP Toxic Stress Resources
  - https://www.aap.org/en-us/advocacy-and-policy/aap-health-initiatives/EBCD/Pages/Public-Health-Approach.aspx
- Strengthening Families: A Protective Factors Framework
  - http://www.cssp.org/reform/strengtheningfamilies
- CDC ACE Study
  - http://www.cdc.gov/violenceprevention/acestudy/
- *Pediatrics* articles
  - AAP Policy Statement: Early Childhood Adversity, Toxic Stress, and the Role of the Pediatrician: Translating Developmental Science Into Lifelong Health
  - AAP Technical Report: The Lifelong Effects of Early Childhood Adversity and Toxic Stress

HURLEY MEDICAL CENTER

Thank you!

From: Baird, Richard (GOV)
Sent: Thursday, December 24, 2015 10:50 AM
To: Scott, Allison (GOV)
Subject: Fwd: Privileged Attorney Communication--Draft Under review--Fwd: Please provide feedback: Governor's statement on Flint water crisis

Sent from my iPad

Begin forwarded message:

From: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Date: December 24, 2015 at 9:48:00 AM CST
To: "Snyder, Rick (GOV)" <[redacted]>, "Redford, James (GOV)" <RedfordJ@michigan.gov>
Cc: "Holland, Meegan (GOV)" <HollandM2@michigan.gov>
Subject: Privileged Attorney Communication--Draft Under review--Fwd: Please provide feedback: Governor's statement on Flint water crisis

For our 11am call.

Sent from my iPad

Begin forwarded message:

From: "Holland, Meegan (GOV)" <HollandM2@michigan.gov>
Date: December 24, 2015 at 9:32:24 AM CST
To: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Cc: "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>, "Posthumus, Dick (GOV)" <Posthumusd@michigan.gov>, "Redford, James (GOV)" <RedfordJ@michigan.gov>, "Walsh, John (GOV)" <WalshJ@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>, "Calley, Brian (GOV)" <[redacted]>, "Agen, Jarrod (GOV)" <AgenJ@michigan.gov> Client Communication
Subject: RE: Please provide feedback: Governor's statement on Flint water crisis

Here is a revised statement incorporating Rich's suggested changes:

"I've been briefed on the recent meeting of the task force studying the Flint water situation and I've read the report from the Office of the Auditor General on the processes used by DEQ to monitor Flint water.

""The bi-partisan task force has worked tirelessly to interview Flint, Genesee County, state and federal officials to complete its independent analysis. They are reviewing hundreds of documents at all levels of government and from the public health science community.

"I'd like to thank the task force for keeping me apprised of their continuing investigation. As they uncover more facts, it's clear to me we can do better. Their report may take another month or so, but if we need to make changes more swiftly, I plan to take immediate action.

"No matter what the testing requirements were, they were not enough to prevent this crisis. I want Michigan to be the state that is known for the safest water in the nation.

""When it comes to matters of health and quality of life, there is simply no room for error in testing for lead and other toxins. I understand there can be disagreements within the scientific community. That is why I have told my directors at MDEQ and DHHS to invite every external scientist who has worked on the Flint water issue to the state laboratory facilities to work as partners with us. Together, we should be able to affirm that we're using the very best testing protocols to ensure Flint residents have safe drinking water and that we're doing proper monitoring and remediation of blood levels and other health impacts over the long term.

"I want the Flint community and all citizens of Michigan to know how very sorry I am that this has happened.

"But I know an apology isn't enough. We've already allocated $10 million to test the water, distribute water filters, and help in other ways. On Thursday, I called Flint Mayor Karen Weaver, and we're going to sit down in the next week to discuss other ways the state can offer assistance.

"What happened in Flint is inexcusable. I want to assure residents there that we will work hard to make things right."

From: Baird, Richard (GOV)
Sent: Thursday, December 24, 2015 9:53 AM
To: Holland, Meegan (GOV) <HollandM2@michigan.gov>
Cc: Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Posthumus, Dick (GOV) <Posthumusd@michigan.gov>; Redford, James (GOV) <RedfordJ@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Calley, Brian (GOV) <[redacted]; Agen, Jarrod (GOV) <AgenJ@michigan.gov>
Subject: Re: Please provide feedback: Governor's statement on Flint water crisis

This is the best narrative I have seen that actually describes how we feel about the situation and our resolve to make things right. A few thoughts:

We might think about a "lead in" to your second para in the statement. Something like "The bi-partisan task force has worked tirelessly to interview Flint, Genesee County, State and Federal officials and complete an independent fact based analysis. They have reviewed hundreds of documents at all levels of government and from the public health science community and continue to do so.

Para 3 might unintentionally suggest that there are public health stakeholders who are not as serious as the governor. This may be an overreach, but may I suggest

"When it comes to matters of health and quality of life, there is simply no room for error in testing for lead and other toxins. I understand there can be disagreements within the scientific community. That is why I have directed my Directors of MDEQ and DHHS to invite every external scientist who has worked on the Flint water issue to the state laboratory facilities to work as partners with us. Together, we should be able to affirm that every testing protocol and conclusion validates that Flint citizens will have safe drinking water, and that we are doing everything possible to ensure proper monitoring and remediation of blood levels and physical or neurological impacts over the long term. And I want the Flint community and all citizens of Michigan to know how very sorry I am that this has happened."

Nick and Dan might not like the "invite" but I spoken with them both and they of course will support whatever the Boss decides.

Thanks,

Rich

Sent from my iPad

On Dec 24, 2015, at 7:41 AM, Holland, Meegan (GOV) <HollandM2@michigan.gov> wrote:

> Colleagues:
>
> Many of us have reached the conclusion that our messaging on the Flint water crisis has room for improvement. We haven't conveyed to citizens the depth of our concern over the situation. I've crafted a statement to be made by the Governor, and would like you to review it.
>
> This statement is meant to manage expectations on the timing of concrete conclusions (the task force report may not come out for another month at least) and to signal that action may come sooner than that (we plan to reach out to Mayor Weaver, for example, and perhaps hold a press conference with her in January announcing some next steps).
>
> Here is the statement:
>
> "I've been briefed on the recent meeting of the task force studying the Flint water situation and I've read the report from the Office of the Auditor General on the processes used by DEQ to monitor Flint water.
>
> "No matter what the testing requirements were, they were not enough to prevent this crisis. I want Michigan to be the state that is known for the safest water in the nation.
> "I'd like to thank the task force for keeping me apprised of their continuing investigation. As they uncover more facts, it's clear to me we can do better. The report may take another month or so, but if we need to make changes more swiftly, I plan to take immediate action.

"The bottom line is we'll take responsibility for our part in Flint's water crisis. I'm committed to partnering with all of the stakeholders who are as concerned about public health as I am. I vow to make sure that Flint citizens will have safe drinking water. And I'm so very sorry that this happened.

"But I know an apology isn't enough. We've already allocated $10 million to test the water, distribute water filters, and help in other ways. On Thursday, I called Flint Mayor Karen Weaver, and we're going to sit down in the next week to discuss other ways the state can offer assistance.

"What happened in Flint is inexcusable. I want to assure residents there that we will work hard to make things right."

Thank you,
Meegan

Meegan Holland
Director of Communications for Gov. Rick Snyder
Office: 517-335-6397
Mobile: [redacted]
Twitter: @meholland

From: Baird, Richard (GOV)
Sent: Tuesday, December 29, 2015 1:32 PM
To: Winters, Jan (MCSC)
Subject: Fwd: Flint water statement

FYI.

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Holland, Meegan (GOV)" <HollandM2@michigan.gov>
Date: Dec 29, 2015 1:21 PM
Subject: Flint water statement
To: "Posthumus, Dick (GOV)" <Posthumusd@michigan.gov>,"Walsh, John (GOV)" <WalshJ@michigan.gov>,"Baird, Richard (GOV)" <bairdr@michigan.gov>,"Agen, Jarrod (GOV)" <AgenJ@michigan.gov>,"Clement, Elizabeth (GOV)" <clemente@michigan.gov>,"Scott, Allison (GOV)" <scotta12@michigan.gov>,"Hollins, Harvey (GOV)" <hollinsh@michigan.gov>,"Calley, Brian (GOV)" <[redacted]>,"Redford, James (GOV)" <RedfordJ@michigan.gov>
Cc:

Here is a statement from the Governor that will go out around 2-2:30 p.m. to the media. We'll also give a heads up to executive staffers and some others. - Meegan

---

When I became aware that the city of Flint's water showed elevated lead levels and that the state's handling of the situation was being questioned, I requested funding to switch the source back to the Great Lakes Water Authority and appointed an independent task force to identify possible missteps and areas for improvement.

The task force has done an exceptional job, reviewing stacks of documents and interviewing scores of Flint, Genesee County, state and federal officials.

Although the task force's final report is not yet completed, it has made me aware of some interim findings and corrective steps that I have decided to take immediately in order to restore trust in how the state keeps its citizens safe and informed.

We'll continue to work with the community members to make sure we hear and respond to their concerns.

In addition, MDEQ Director Dan Wyant has offered his resignation, and I've determined that it's appropriate to accept it. I'm also making other personnel changes at MDEQ to address problems cited by the task force.

But changes in leadership and staff are not enough. I understand there can be disagreements within the scientific community. That is why I have directed both the departments of Environmental Quality and Health and Human Services to invite every external scientist who has worked on this issue to be our partners in helping us improve Flint water. Let's share research on water and blood lead level testing so we can arrive at accurate and mutually supported conclusions. Together, we should work to affirm that we're using the very best testing protocols to ensure Flint residents have safe drinking water and that we're taking steps to protect their health over the short and long term.

I want the Flint community to know how very sorry I am that this has happened. And I want all Michigan citizens to know that we will learn from this experience, because Flint is not the only city that has an aging infrastructure.

I know many Flint citizens are angry and want more than an apology. That's why I'm taking the actions today to ensure a culture of openness and trust. We've already allocated $10 million to test the water, distribute water filters, and help in other ways. Last week, I called Flint Mayor Karen Weaver, and we're going to meet soon to discuss other ways the state can offer assistance.

These are only initial steps - we fully expect to take more actions following the recommendations of our task force. When it comes to matters of health and quality of life, we're committed to doing everything we can to protect the well-being of our citizens.

Meegan Holland

Director of Communications for Gov. Rick Snyder

Office: 517-335-6397

Mobile: [redacted]

Twitter: @meholland

From: Baird, Richard (GOV)
Sent: Tuesday, December 29, 2015 4:38 PM
To: Mark Henne
Subject: Re: Offer to help in solving problems within MDEQ

Thanks Mark. There may be an opportunity. Have some steps to take first.

Rich

Sent from my Verizon Wireless 4G LTE DROID
On Dec 29, 2015 4:35 PM, Mark Henne <[redacted]> wrote:

Hi Rich,

I've been watching from the sidelines as the water problems in Flint have unfolded. If I can help you and the Governor in solving the issues at the MDEQ, please don't hesitate to contact me. I'm attaching my resume so that you have some understanding about my capabilities.

Thanks,

Mark

Mark S. Henne, M.S., J.D.

Environmental Consultant, Hydrogeologist and Attorney

5070 Barton Road

Williamston, MI 48895 USA

Office 517-655-1104

Home [redacted]

Cell [redacted]

Fax 855-837-9515

From: Baird, Richard (GOV)
Sent: Wednesday, December 30, 2015 11:19 AM
To: Eric Rothstein
Subject: Fwd: Offer to help in solving problems within MDEQ
Attachments: Mark Henne Resume - Hydrogeologist, Environmental Consultant, Attorney.pdf; ATT00001.htm

I would be really keen if you could interview this man for a potential role. He might be a candidate for Water Quality Dept. But I have not said that to him yet.

Sent from my iPad

Begin forwarded message:

> **From:** Mark Henne <mark.henne@henneenv.com>
> **Date:** December 29, 2015 at 4:35:05 PM EST
> **To:** [redacted] "bairdr@michigan.gov" <bairdr@michigan.gov>
> **Subject: Offer to help in solving problems within MDEQ**
>
> Hi Rich,
>
> I've been watching from the sidelines as the water problems in Flint have unfolded. If I can help you and the Governor in solving the issues at the MDEQ, please don't hesitate to contact me. I'm attaching my resume so that you have some understanding about my capabilities.
>
> Thanks,
>
> Mark
>
> _____
> Mark S. Henne, M.S., J.D.
> Environmental Consultant, Hydrogeologist and Attorney
> 5070 Barton Road
> Williamston, MI 48895 USA
>
> Office 517-655-1104
> [redacted]
> Fax 855-837-9515

Mark S. Henne, M.S., J.D.

Executive-Level Business Leader, Environmental Compliance Expert, Hydrogeologist, Environmental Chemist & Attorney

5070 Barton Road
Williamston, MI 48895
(517) 655-2087
[redacted]

EXECUTIVE PROFILE

- Executive Leadership
- Science, Law & Finance
- Vision, Strategy & Execution
- Team Leader and Consensus Builder
- Regulatory Compliance
- Global Work Experience
- Multi-cultural Sensitivity
- Bi-Lingual (English & German)
- Water Supply Development
- Hydrogeology Studies
- Environmental Impact Assessments

Senior environmental compliance specialist with success developing and directing programs involving complex environmental protection, technical, scientific, financial and legal issues.

Key member of management teams, and noted for ability to build consensus in team decision-making. Successful in leading organizations during times of prosperity and trouble.

Executive level experience as company founder and principal, bank director, District Governor for Rotary International, President of trade organization, and officer and director of multiple professional, service, and charitable organizations.

Trusted advisor for clients ranging from individuals to Fortune 500 corporations.

Senior hydrogeologist and environmental consultant with 35 years' experience designing, supervising the construction of, and testing production wells, monitoring wells and contaminant extraction wells. Significant experience in aquifer test data collection and analysis, and analysis of groundwater and contaminant migration in complex hydrogeologic environments.

Environmental chemist with academic and project-related experience assessing the fate and transport of contaminants in groundwater, surface water, and soil. Have investigated and overseen the cleanup of properties contaminated with heavy metals, petroleum compounds, industrial solvents, brine and road salt, PCBs, pesticides and herbicides, and radionuclides.

In-house attorney who uses skills to manage in-house risk, and ensure regulatory compliance.

Writer and public speaker who has authored more than 10,000 technical reports, environmental management plans, and business documents, and has spoken more than 200 times to audiences as large as 2,000 on technical and non-technical topics throughout the United States, Canada and Germany.

Risk manager in a high-risk industry for 35 years without threat of a lawsuit.

Fiscal manager who has helped ensure the financial health of for-profit consulting companies, a $300 million bank, and numerous non-profit organizations.

Crisis manager with experience working through organizational and employee issues such as embezzlement, substance abuse, and family crises.

Humanitarian who volunteers and uses unique knowledge and skills to lead and serve on teams charged with providing clean water and improving sanitation in developing countries.

PROFESSIONAL EXPERIENCE

HENNE ENVIRONMENTAL, Williamston, Michigan **Since 2013**
Hydrogeologist and Environmental Consultant

Solo-practice hydrogeologic and environmental consulting firm serving clients throughout the North America, and in Africa and Asia. Website: www.HenneEnv.com

Expert in hydrogeologic and environmental consulting with focus on risk studies, environmental compliance, groundwater supply studies, groundwater and soil contamination investigations, environmental site assessments, air quality studies, environmental compliance, risk management and litigation support.

DART BANK, Mason, Michigan **Since 2007**
Bank Director

90-year old bank in the Lansing, Michigan region with assets of $280 million. Website: www.dartbank.com

Member of nine-person Board of Directors, and Audit and Loan Review Committees, which are responsible for bank's financial performance, compliance with banking regulations, and establishing operational policies.

- Helped make critical decisions needed for bank to remain profitable during era characterized by large losses in banking industry.
- Member of key committees that improve bank's compliance with federal and state banking regulations.
- Provided important oversight of bank's lending activities which reduced underwriting risks and bad loan losses, and increased bank's profits.

PARSONS BRINCKERHOFF, Lansing, Michigan **2009 –2013**
Environmental Manager

A 13,000-person consulting and engineering firm with global operations. Website: www.pbworld.com

Manager of newly-established environmental consulting group that investigated and remediated properties with contaminated soil and groundwater, investigated environmental risk associated with large transportation projects, and developed environmental management plans to reduce risk for projects throughout the United States.

- Established new environmental consulting practice at company.
- Moved all members of environmental consulting team from former firm (Fitzgerald Henne) to new company.
- Transferred all on-going consulting relationships and projects from former to new firm.
- Exceeded group's overall sales goal for first year by more than 30 percent.
- Exceeded group's new-client sales goal by more than 100 percent.
- Expanded geographic service area, which had mostly been limited to the Midwest, into Utah, Maryland, New York, Virginia, Louisiana, Hawaii, and Guam.
- Increased diversity of projects to include major highway, high speed rail, urban rail, and other transportation projects.
- Authored master environmental management plans for projects with anticipated capital costs exceeding $6 billion.
- Provided opportunities for company's non-environmental groups to work for new clients on engineering projects with capital costs exceeding $5 billion.

FITZGERALD HENNE & ASSOCIATES, Lansing, Michigan **1992 –2008**
Founder, President, Vice President (rotating Presidency)

A medium-sized environmental consulting, engineering, and surveying firm based in Lansing, Michigan. Website: www.fitzhenne.com.

Founded and helped grow firm. Responsible for day-to-day operations of environmental consulting group that undertook simple ($1,000) to complex ($800,000) projects for corporate, governmental, individual and business clients. Significant technical focus on environmental risk management and regulatory compliance. As principal of firm, responsible for corporate management, financial monitoring, personnel management, corporate risk management, and insurance and banking relationships.

- Helped grow company from initial staff of four to staff of 32 with annual revenues of $2.8 million.
- Managed more than 800 projects to evaluate and test sites for contamination, clean up contaminated soil and groundwater, develop water supplies, and facilitate Brownfield development.
- Developed client base, 80 percent of which consisted of repeat clients.
- Developed expertise in interpreting complex environmental regulations in six-state service area.
- Led employee motivation and reward programs, resulting in less than 15 percent employee turnover per year.

STS CONSULTANTS, Lansing, Michigan **1990 – 1992**
Manager, Hydrogeology and Remediation Services

Midwest engineering firm bought by AECOM, a $6 billion international engineering company. www.stsltd.com

Responsible for marketing, staff management, project management, scheduling, and client retention.

- Managed 15-person department made up of entry- and mid-level staff.
- Oversaw all technical and marketing activities of environmental group in conducting $2,000 to $5,000,000 environmental studies for contaminated industrial and leaking underground storage tank (LUST) sites throughout Michigan.
- Successfully changed department from one in which single project generated 90% of revenues to one with diversified client base with nearly 100 projects, of which none was responsible for more than 10% of department revenues.
- Marketing activities made firm fourth largest supplier of environmental consulting services in Michigan.
- Led team of environmental managers in company's other offices in developing company-wide standards for emerging environmental site assessment practice area.

FISHBECK, THOMPSON, CARR & HUBER, Grand Rapids, Michigan **1983-1990**
Senior Hydrogeologist

Privately held, 320-employee engineering, architectural, and environmental firm. www.ftch.com

Senior hydrogeologist responsible for technical and financial management of hydrogeological and environmental projects, and marketing environmental services.

- Started as staff hydrogeologist and advanced to level responsible for directing completion of hydrogeologic investigations and water supply studies throughout Michigan and in several other states.
- Grew client base containing diversity of Fortune 500 and small companies.
- Sold services of other engineering groups along with environmental consulting services.

KECK CONSULTING SERVICES, Williamston, Michigan **1981-1983**
Hydrologist/Chemist

Designed and managed hydrogeological and geochemistry studies throughout Michigan.

DESERT RESEARCH INSTITUTE, Reno, Nevada **1978 – 1980**
Hydrological Research Fellow

Conducted general water chemistry and hydrogeological research including investigation into the movement of groundwater through volcanic tuffs at the Nevada Test Site.

HEFA FRENON ARZNEIMITTEL, GmbH, Werne, Germany **1977-78**
Research Pharmaceutical Chemist

Conducted laboratory research to identify the degradation rates and absorption time of anti-tubercular drug.

EDUCATION

J.D., THOMAS COOLEY LAW SCHOOL, Lansing, Michigan
- Completed work to receive J.D. in 10 terms while working full-time
- Received "book award" in computer-assisted legal research

M.S., Hydrology/Hydrogeology, UNIVERSITY OF NEVADA - RENO
- Completed course work and wrote Master's thesis while employed by the Desert Research Institute

B.S., Chemistry, UNIVERSITY OF CALIFORNIA AT SANTA BARBARA
- Academic studies included significant coursework in Chemistry, along with Geology and German
- Academic performance allowed for participation in University of California's year-long Education Abroad Program in Germany (below)
- Served as student advisor to faculty committee charged with overseeing Education Abroad Program on all UC campuses and at international study centers throughout the world.

Honors Foreign Study Program, GEORG-AUGUST UNIVERSITÄT, Göttingen, Germany
- Completed all Chemistry, Physics and other coursework and exams in German
- Participated in inter-cultural activities of the University

Current and Past Leadership Responsibilities

- **District Governor, ROTARY INTERNATIONAL**, July 2012-June 2013. Also Past Club President, Group Study Exchange Team Leader, District Friendship Exchange Chair. Member of Rotary delegations sent to Kenya and Tanzania to conduct needs and feasibility studies, and identify opportunities to improve education, water supplies, and sanitation.
- **Co-Founder and Charter President, MICHIGAN ENVIRONMENTAL CONSULTANTS AND CONTRACTORS ASSOCIATION** (MECCA)
- **Charter Vice President, ENVIRONMENTAL MANAGEMENT ASSOCIATION**
- **Director, MID-MICHIGAN ENVIRONMENTAL ACTION COUNCIL**
- **Director, GREATER LANSING HOUSING COALITION**
- **Commissioner, LANSING REGIONAL SISTER CITIES COMMISSION**. Also member of delegations that explored creation of a vocational education program in Adamawa State, Nigeria, and developed health and sanitation programs for Akuapim, Ghana.
- **Director, CASA** (COURT APPOINTED SPECIAL ADVOCATES) OF INGHAM COUNTY.
- **Vice President, BIG BROTHERS/BIG SISTERS** OF LANSING.
- **Director and Treasurer, PRO BONO LEGAL SERVICES**.
- **Vice President, HAVEN HOUSE** (homeless shelter).

From:	Baird, Richard (GOV)
Sent:	Wednesday, December 30, 2015 6:57 PM
To:	Agen, Jarrod (GOV); Clement, Elizabeth (GOV); Hollins, Harvey (GOV); Kelenske, Chris (MSP); Holland, Meegan (GOV); Murray, David (GOV); Redford, James (GOV); Becker, Timothy (DHHS); Creagh, Keith (DNR); Roberts, John (DTMB)
Cc:	Etue, Kriste (EtueK@michigan.gov); Nick Lyon
Subject:	Attorney Client Work Product (Draft), Privileged and Confidential
Attachments:	A Proposal to Create the Flint Water Inter.docx; IA Coord Com Org Chart.jpg; IAP Flint Water 2015-12-29.pdf

Team:

Today Harvey and I met with the Flint Water Task Force. It was a good meeting. People were pleased with the G's statement from the prior day. Captain Kelenske joined us and we had a very good discussion about moving forward with the creation of the Flint Water Crisis Agency Coordinating Committee (FIACC). Tim Becker and Captain Kelenske provided me with a fair amount of input. I also read the City of Flint Incident Action Plan for a State of Emergency which Chris received today (enclosed for those who wish to read it as well). I have distilled all of this into a two page plan that I want your edits and comments on and a one page organizational chart (now presented in the "governor's colors" according to our fine people in Communications). Spoiler alert—I made Captain Kelenske Vice Chair of the whole shebang (with the Colonel's blessing) so Harvey wouldn't get lonely.

Here is my ask of you:

1) Within 24 (sooner if you can) hours give me your comments and input
2) Tomorrow I will turn around a final document for Jarrod to review with the Governor either New Year's Day or Saturday
3) Ideally, Governor will approve Harvey sending it to Mayor Weaver Saturday (Sunday latest)
4) Mayor needs to know that this is what the Governor wishes to discuss at the meeting January 7 along with financial resources that we still need some estimates on cost from DHHS for
5) Meegan and Dave need to noodle how best to get out front with this and change the narrative focus on Monday's Genesee County declaration of emergency

I know we are all working way too hard for what should be a rest and recharge period but I do appreciate everyone's efforts and I know the Boss really does as well.

Regards,

Rich

A Proposal to Create the Flint Water Inter-Agency Coordinating Committee (FIACC)

In collaboration with the Flint After-Action Task Force, MSP Captain Chris Kelenske, DHHS Chief Deputy Tim Becker and DHHS Director Nick Lyon, Harvey Hollins and Rich Baird are recommending the immediate creation of the above referenced entity, with its sustained role and responsibility enabled under the Governor's Executive Order.

Statement of Need

Due to a combination of resource constraints, inexperienced personnel, "silo" bureaucratic processes and reactionary approaches to immediate problems, there is a nearly complete lack of coordination, communication, and connected management amongst all the departments and stakeholders who must work together to ensure Flint's return to clean, safe water and to coordinate mid and long term efforts to mitigate and address future health and behavioral consequences from lead ingestion. This group MUST be stood up regardless of whether (or when) the conditions required for a declaration of emergency are met by the City, County, State or Federal authorizers. This coordinating body must include:

- The creation of a routine information process between all parties.
- Pursuit of other avenues of funding including federal grants and legislative appropriations.
- While the Emergency Management Act or the Stafford Disaster Relief and Emergency Assistance Act may be mechanisms to fix the issues in Flint, portions of the Emergency Management Act outlining management of events are applicable and should be implemented without delay (e.g. Local emergency operations plans/emergency operations guides as well as emergency operations support plans).

Action Plan and Establishing the FIACCC

It appears that a request for a Governor's declaration may be from the county as soon as January 4, 2016. The state's Emergency Coordinator (Capt. Kelenske) will evaluate the request and provide a recommendation whether to issue a declaration, following established protocol and due diligence. But immediately, we will:

1. Establish an interagency workgroup Chaired and Vice-Chaired by Harvey Hollins and Chris Kelenske, respectively, and be comprised of DHHS, MDEQ, MSP, Treasury, Genesee County, City of Flint, MDE, LARA and external Subject Matter Experts (SMEs). Civil Rights may be added at a later time. If additional agencies/stakeholders who can assist with accomplishing the action plan are needed, they will be added. Personnel must be goal oriented, transparent with findings and measures of progress, and able to work toward accomplishing the Incident Action Plan created by the state in a timely manner. A draft Organization Chart is attached under separate cover.
2. This body should be created by Executive Order and it must complement and not replace the current system under the Emergency Management Act. In fact, it should demonstrate how to best leverage support where existing laws fall short under a man-made emergency.
3. Utilize the National Incident Management System and Unified/Incident Command as appropriate.
4. Establish routine communications protocols at the operational, executive, and legislative levels as determined appropriate.
5. Establish interagency workgroup objectives using the following as a starting point.

Interagency Workgroup Objectives

1. Determine and convey acceptable standards for potable water.

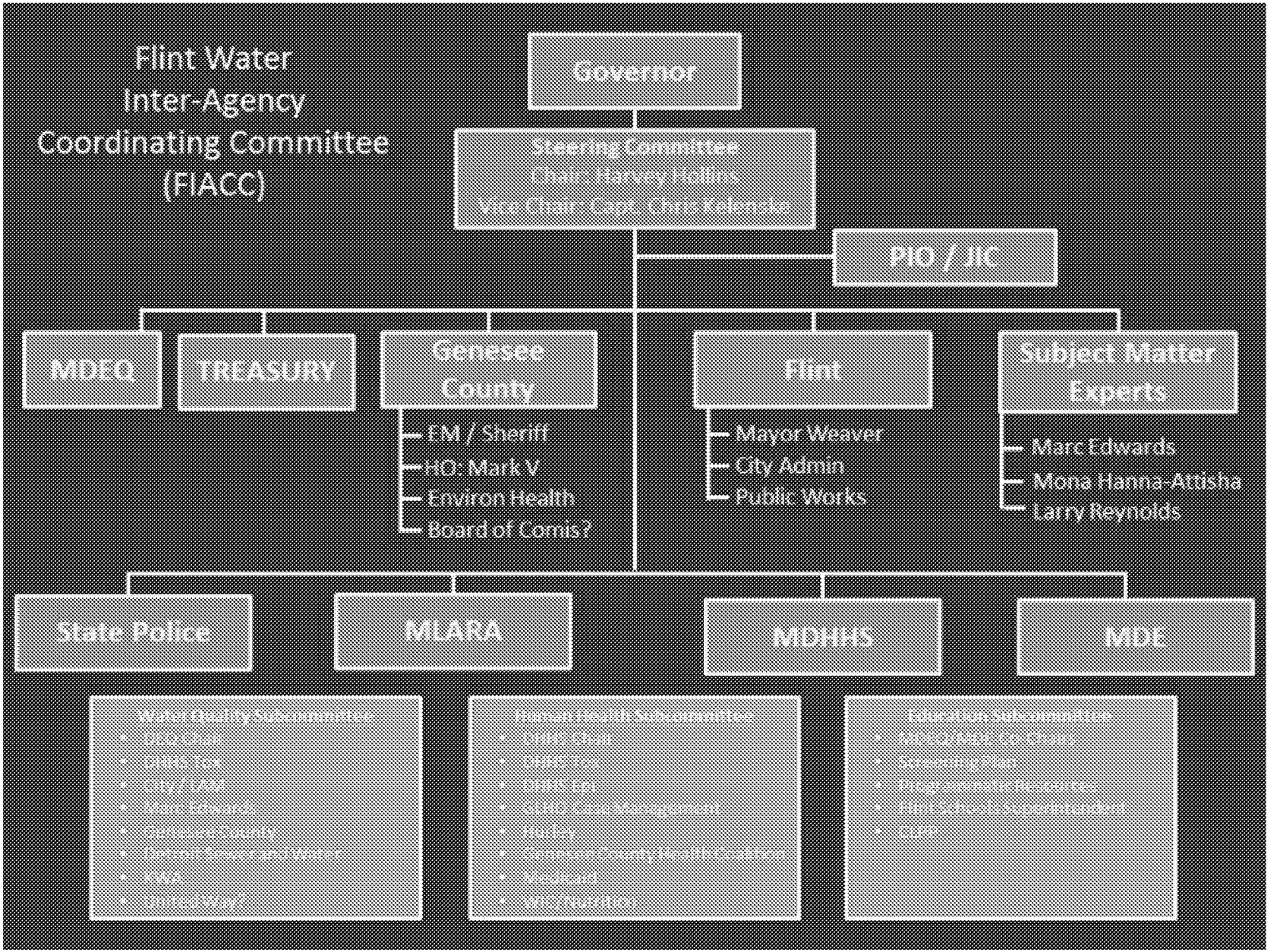
- Identify needed remediation.
- Convey the remediation plan objectives to all stakeholders and interested parties.
- Logistics plan for distribution and serving homebound citizens with water and filtration
- Implement the plan.

2. Determine health impacts for the impacted population.
    - Identify treatment methods.
    - Nutrition education and support
    - Coping with lead exposure (care, monitoring, neurodevelopmental screening, access to DBP specialists, psychologists/psychiatrists, expanded county services, etc.)
    - Convey the treatment plan objectives to interested parties.
    - Implement the plan.
3. Establish a public information protocol to effectively inform the community of the situation and actions taken.
    - Identify existing Public Information outlets within the city, county, and state.
    - Establish a Joint Information Center
    - Provide for Emergency Alerts and Updates
    - Leverage public and private education schools
    - Determine official information flow and approval of information.
    - Convey to interested parties.
4. Assess the status of the infrastructure and determine feasible actions to upgrade the water system.
    - Determine current state of the infrastructure.
    - Develop priorities, costs, and potential funding sources for infrastructure upgrades as part of a long term recovery plan.
    - Seek partners to assist (NGOs, Foundations, Business, etc.)
    - Implement the plan.

<u>Final Thoughts</u>

After the team provides input to this document, I would ask that Governor Snyder review and approve the approach, authorize Harvey Hollins to get the plan to Mayor Weaver no later than this weekend, and then proactively communicate the plan regardless of whether we get an Emergency declaration or not.

Also, we do believe setting up an Emergency Command Center which requires 24/7 staffing is sensible until AFTER Genesee County has demonstrated they did all they could and couldn't solve the problem. That is what is required under the law.


Flint Water Inter-Agency Coordinating Committee (FIACC)
Governor
Steering Committee
Chair: Harvey Hollins
Vice Chair: Capt. Chris Kolenda
PIO / JIC
MDEQ
TREASURY
Genesee County
EM / Sheriff
HD: Mark V
Environ Health
Board of Comis?
Flint
Mayor Weaver
City Admin
Public Works
Subject Matter Experts
Marc Edwards
Mona Hanna-Attisha
Larry Reynolds
State Police
MEARA
MDHHS
MDE
Water Quality Subcommittee
Public Health Subcommittee
Education Subcommittee

CITY OF FLINT

INCIDENT ACTION PLAN

STATE OF EMERGENCY

Objectives:

To provide short term relief and long term solutions in addressing the man-made emergency of increased lead levels in the City of Flint (the "City") water system resulting from the switch to Flint River as the City's water source as well as the threat to public health related to elevated blood lead levels in Flint residents, without interruption of the provision of public safety and other essential public services. Due to the fluidic nature of emergencies and the complexity of the City of Flint's declared emergency, this plan serves as a framework and may be altered as the emergency develops.

The Response Framework

The purpose of this plan is to organize efforts on behalf of the city to assess the extent of the City's infrastructure needs and risks to public health, provide immediate relief to those who are at risk, and establish long term solutions. In addition, the city must ascertain what immediate relief and long term solutions the City is capable of implementing based on what resources are available. For any activities that are beyond the resource capacity of the City, external sources of funding, supplies, and manpower must be sought.

There are a number of steps that must be taken in accordance with the Flint Emergency Support Operations Plan (SEOP), in order for the City to be compliant with the Genesee County Emergency Action Guidelines. These include the activation of the Incident Management Team, the Emergency Operation Center, and the sharing of essential documents with the County, including this plan. Information must also be shared by the City's Public Information Officer on a regular basis, as required by the SEOP.

This plan calls for the provision of immediate relief to those at risk in our community. Special consideration must be given to residents who belong to underserved groups, such as those who are homebound, undocumented, in poverty, etc. Additional consideration must also be given to the equitable provision of services throughout our community in order to equally protect the health and safety of every member of our community.

Implementation of this plan is to be conducted by the Incident Management Team, which will monitor the effective delivery of goods and services in order to address the conditions of the emergency.

Understanding the Issue:

October 1, 2015, the Genesee County Health Department issued a Public Health Emergency after elevated blood-lead levels were found among children in the City of Flint. This incident correlates with elevated levels of lead found in the City's drinking water after the City switched water sources in April of

2014 to the Flint River. The scope of this problem appears to be limited to Flint City Water Customers and their dependents. Public agencies from several levels of government, as well as charitable, nonprofit organizations have partnered with the City to provide immediate relief to Flint residents, including the expansion of health services, the provision of bottled water and NSF rated water filters. The city is also seeking long term infrastructure improvements to eliminate lead and other contaminants from the water system.

Gov. Rick Snyder appointed a task force to review "actions regarding water use and testing in Flint" and to make recommendations for future guidelines: Members of the state task force are Ken Sikkema of Public Sector Consultants, Chris Kolb of the Michigan Environmental Council, Dr. Matthew Davis of the University of Michigan Health System, Eric Rothstein of the Galardi Rothstein Group and Dr. Lawrence Reynolds of Mott Children's Health Center.

In an effort to halt the further escalation of this crisis, the City returned to receiving its water from the Detroit Water and Sewerage Department (DWSD) on October 16, 2015. Since that time, additional corrosion control program has started, estimating a reduction of lead levels over the next six months. In light of these efforts, concerns surrounding the quality of water and health of the residents persist to the point that Mayor Karen Weaver declared a State of Emergency on December 14, 2015 so as to resolve this crisis once and for all.

The current challenge facing the City is providing immediate relief and long term solutions of the quality of the water and health of residents while the City remains in a financially critical condition. It is hoped and expected that higher levels of government recognize this emergency as it pertains to the condition of the City's infrastructure and health of its residents, and do all things necessary to assist the City in the provision of relief and the execution of capital improvement projects that will eliminate the causes of this emergency.

Enhancing Understanding:

Information Collection

Essential Elements of Information (EEIs) can be qualified as the City's water tests containing lead results, the verification of lead water lines (both public and private), and health information. Water testing is performed by the City's water plant in cooperation with the MDEQ. The verification of lead water lines is being handled by University of Michigan Flint, who is currently digitizing the City's water line information and PSI Engineering, who is initiating the effort to verify lead lines by excavating an initial 150 residential lines. This information allows the Incident Management Team to assess the current condition of the emergency by way of determining the water quality and the condition of the water distribution infrastructure.

Information Analysis

The City has sought partners to assist in the analysis and attenuation of complex data. Wayne State University's center for Urban Studies has agreed to assist the City in its efforts to document and track lead water lines, water test results, and filter distribution with geographic information system (GIS) technology. This allows for easily updateable, digestible information to be presented to officials.

Assessment of Impacts

The City will need assistance in determining the total cost of damage done to the public health and infrastructure. As of now, only portions of this damage are visible.

PSI is providing some assistance by excavating 150 residential water lines to verify that they are comprised of lead. This is an initial step, but not enough. More resources will be needed to continue this process.

Continuous Situational Awareness

It is important that the Emergency Management Team receive continuous information regarding water testing results, lead water line numbers, and filter distribution information in order to gain a realistic and current perspective. Much of his information is currently available on the City's website (cityofflint.com) and more is added each week by the PIO team.

Actions taken in Response to the Emergency

Activation of the Incident Management Team

Upon the declaration of Emergency by Mayor Weaver, the Support Emergency Operations Plan (SEOP) was activated. The SEOP calls upon the Incident Management Team to generate the Incident Action Plan (IAP. Each member of this team serves a specific function as it relates to addressing the causes and effects of the emergency. The Emergency Management Team roster can be found in the SEOP on page 3, with a list of alternates on page 4 in case the need for succession arises.

Emergency Operations Center

The Emergency Operations Center (EOC) must be activated upon the declaration of a State of Emergency by the Mayor. This center is required by the SEOP and serves as a nerve center for the Incident Management Team. Here, emergency relief efforts are coordinated by key members of the Incident Management Team. In this case, these relief efforts consist of the distribution of water filters at

City Hall and community events, the distribution of bottled water throughout the city in conjunction with the efforts of community partners, and assisting with the circulation of water testing kits throughout the community. The EOC will also be monitoring and managing the inventory of relief supplies, such as water filters and bottled water.

According to the SEOP, the EOC must establish an incident tracking system. This system will serve as a work plan for the management of the emergency. In addition, it is essential that the IMT record water testing results, lead water line location information, and information about the distribution of water filters and bottled water all in one place so that information is readily available for the Incident Management Team. This information will also be sent out to the public and media in the form of daily regular updates by the City's PIO.

Communication

The EOC maintains a telephone system that exists to intake questions about relief efforts and to organize relief logistics. It is open from 8am to 5pm, Monday through Friday. A voicemail system and eventual email system will exist to handle requests and inquiries that occur outside of the normal operating hours. This system will be constructed by the City's IS department.

Public Awareness and Education

1. **Emergency Alerts and Updates:**
   The City's Public Information Officer will make available information as it relates to the emergency in the form of press releases, emails, and physical documents. Daily updates containing information on the distribution of water filters, bottled water, water testing, blood lead testing, and other relief efforts will be available on the City's website for the public to view. Information will be available at City Hall for residents.

2. **Joint Information Center:**
   The City's PIO will establish a joint Information Center that is organized to coordinate the efforts of multiple agencies to communicate with the public. This includes the circulation of joint press releases, public health information, educational materials, and updates relating to the State of Emergency. This committee is comprised of public information officers and public relations personnel to coordinate efforts to keep the public updated and informed. Regular updates to the media regarding events and progress will be made as news develops.

   The US EPA has offered assistance in the form of Public Information support. Additional support in this area has been provided by the Michigan State Police.

3. **Education:**
   Many government agencies and philanthropic organizations are already distributing information regarding the effects of lead on public health. It is important that the City assist in these efforts so vital information and knowledge is presented to all members of the community. The goal is to continue to eliminate misunderstandings and incorrect information as it relates to reducing lead in drinking water, pursuing medical help, and maintaining a healthy diet to reduce lead absorption in the body. Lead education is currently being performed by the Genesee County Health Department, the Michigan Department of Health and Human Services and Medical community at-large.

Assessment of Social Needs

In order to effectively and equitably provide immediate relief to Flint water customers, the City must take into account many of the socio-economic needs and limitations of the community. Some residents cannot get to City Hall for a water filter. Some residents do not have internet access. Literacy or a language barrier may also pose significant obstacles to the effective distribution of educational information and relief to those in need. These will be continuing challenges facing the community. At present these are the resources the City has available to mitigate some of those challenges.

Logistics

Logistics are being coordinated by the City Emergency Management Team's City's *Chief Logistics Officer*, who is the City Administrator. The CLO is responsible for the coordination, procurement, and transportation of goods and services, which is essential for effective implementation of the response plan.

Fixed Distribution Points

There are several locations throughout the city where residents may acquire a water filter. These locations are:

Flint City Hall
1101 South Saginaw, Flint MI 48502

Genesee County Community Action Resource Department (GCCARD)
601 North Saginaw, Flint MI 48502
and
2727 Lippencott Blvd, Flint MI 48507

Michigan Department of Health and Human Services
4809 Clio Road, Flint MI 48504
and
125 E. Union Street, Flint, MI 48502

Activation of Ward Distribution Centers

Each of the nine wards will have activated distribution centers that are primarily managed by City Council Members or their designees.

Flint City Council – Water Distribution Sites

WARD	COUNCILPERSON	LOCATION	ADDRESS
1	Eric Mays	Hasselbring Senior Center	1002 W. Home Avenue
2	Jackie Poplar	Joy Tabernacle Church	2505 N. Chevrolet Avenue
3	Kerry Nelson	Antioch Baptist Church	1083 E. Stewart Avenue
4	Joshua Freeman	Flint Fire Station No. 5	3402 Western Road
5	Wantwaz Davis	Doyle/Ryder Elementary School	1040 N. Saginaw Street
6	Herbert Winfrey	New Community Baptist Church	1375 Lavender Avenue
7	Monica Galloway	Brennan Community Center	1301 Pingree Avenue
8	Vicki VanBuren	Flint Southwestern Academy	1420 W. 12th Street
9	Scott Kincaid	Dort Mall Police Service Station	3600 S. Dort Highway

Mobile Distribution Centers

With the help of transportation agencies, like the Metro Transit Authority (MTA), meals on wheels, and GCCARD, the city can help establish mobile distribution centers and delivery systems that can provide water filters, bottled water, and nutritious foods, among other types of relief accompanied by educational materials to neighborhoods and to homes of people who experience limited mobility.

- Mass Transportation Authority-MTA bus passes: Assisting residents with bus passes to improve their mobility will increase their chances of receiving help. Transportation services will also improve residents' access to medical care.
- MTA-Your Ride mobile distribution:
    - Estimated Costs: $25 per hour to deliver water and filters to homes throughout the City.

Problem 1. Public Health Emergency

The first objective in addressing this emergency is reducing, and eventually eliminating, the danger to public health. As City water coming out of faucets continue to contain lead, and copper and other

harmful contaminants exceeding government guidelines and regulations, it poses a risk to the people of our community. Preventative measures must be taken to avoid the effects of toxicosis that are difficult if not impossible to completely reverse.

As far as preventative measures are concerned, education, water filters, and bottled water must be provided to every household in the City in order to reduce the chances of lead exposure, especially to our most vulnerable members of the community. If lead exposure has occurred, resulting in elevated blood lead levels, immediate and sustained medical attention must be available to those affected. Health services must be expanded in the area to accommodate increased numbers of case loads and specialized care regarding lead poisoning and its effects.

Immediate Relief for Public Health:

1. Prevention: Education, water filters and replacement cartridges, free water testing, and bottled water must be available to everyone.
2. Access to nutritious food that reduces the risks of lead absorption by the body. The City can coordinate activities with the County Health Department

Long Term Solutions: Maintaining Public Health and Coping with Lead Exposure

1. Work closely with the Genesee County Health Department and Michigan Department of Health and Human Services in order to provide sustainable care and monitoring of children exposed to lead. This care must be available for them for several years-preferably several decades.
2. Support and education for primary care providers regarding aggressive long-term neurodevelopmental screening and testing.
3. Improved access to developmental and behavioral (DBP) specialists, pediatric psychologists, pediatric psychiatrists.
    a. Pre-emptive referral to mental health/ toxic stress screenings.
    b. Support capacity building and or incentivize recruitment to allow Genesee health system (CMH) to build this capacity which is currently needed and lacking.
4. Increase recognition and education regarding trauma informed care, social determinants of health (SDOH).
5. Expand State funded Genesee Health System (CMH) services.
    a. Infant mental health (30 day capacity)
    b. Child case management
    c. Home based services
    d. Trauma informed care- trauma focused CBT

Problem 2. Lead Contamination in the Water

Immediate Relief:

1. Education, water filters and replacement cartridges, free water testing for water customers, and bottled water must be available to everyone. Water filters can be obtained at any of the fixed distribution points throughout the City.
2. Identification and verification of lead water service lines throughout the city- both public and private.
3. Assistance to identify lead pipes within buildings and homes.

Distribution of Bottled Water:
At this point, we are directing all offers for donations to the Food Bank of Eastern Michigan. It is imperative that water be accessible to all members of the community through a variety of distribution channels. These channels are explained in the Logistics Section of this plan.

Distribution of Test Bottles:
Water testing kits can be picked up at City Hall with instructions. Test results are posted on the City's website to raise public awareness and encourage more participation.

Long term Solutions: Capital Improvements Needs
The distribution of filters, water, and food to counter the effects of lead are essential response efforts to keep people safe. However, long term solutions are required to keep people healthy, to eliminate lead from the public and private water distribution system distribution, and to provide affordable clean water. Our public infrastructure and utilities must be reliable, sustainable, and equitable in order for this community to rebound after this emergency. The following long term solutions must be implemented in order to set the City of Flint on a course for recovery. These solutions come at a heavy cost for a City that is currently in receivership. The City has experienced financial distress due to this Emergency, in addition to a two million dollar loss from switching back to DWSD. The City has diligently applied for Fiscally Distressed Cities, Villages, and Townships, Grant in order to supplement funding for capital improvement projects. It is essential that these grants be awarded in order to achieve long term solutions.

1. COMPLETE **Transition to a Temporary Safe Water Source until the Completion of KWA:**
   This has already occurred. On October 16, 2015, Flint returned to receiving its water from DWSD on a 9 month agreement. This agreement will expire in June 2016, when the KWA is projected to be complete. The City had to pay $2 million out of its general fund to make this switch.

2. IN PROGRESS **Additional Corrosion Control added to the Water System:**

This is already occurring. In early December, 2015, Flint began to add additional corrosion control to the water coming in from DWSD in attempts to rebuild the protective scale inside its pipes. This is estimated to reduce lead levels in two to six months.

3. **Faucet Replacement:**
   Replacement of Water faucets, and drinking fountains in the school system. It has been determined after state inspections that many sources of lead contamination in the School System's water were the faucets themselves. These faucets need to be replaced.

4. **Water Line Replacement:**
   Water Line Replacement to reduce antiquated infrastructure and lead service lines. These lines must be identified, verified, and replaced. Residents who are facing financial hardships must have access to assistance to cover the costs of these replacements through access to grants and (forgivable) loans made available through State and Federal agencies. The corrosion damage to public and private lines that Flint River water caused is still being determined.
   - Replacement of an estimated fifteen thousand (15,000) lead service lines at an estimated cost of three thousand dollars ($3,000) per line. Total costs forty –five million dollars ($45,000,000). This project is estimated to be one of the most cost-intensive endeavors related to ameliorating water contaminants.

5. **Reimbursement of Critical Expenditures:**
   Seeking reimbursement of two million dollar cost of returning to DWSD and forgiveness of Water Revolving Loan Debt from the State of Michigan.

6. **KWA Capital Improvements**: The City has reconnected to Detroit temporarily until a water line from Port Huron is developed. The new water line known as the KWA pipeline or Karegnondi Water Authority is expected to bring water to the City from Lake Huron by July. The current cost agreement between Flint and DWSD is for nine months, therefore it is imperative that KWA be completed as soon as possible. Assistance relating to capital improvements to expedite this process will help to achieve long term goals.

KWA Capital Improvements:	**Estimated Costs:**
a. Transfer Station to Dort Reservoir	*$4,500,000*
b. Raw water line to pump station #4	*$636,000*
c. Phosphoric acid feed system	*$186,000*
d. Alum Feed system	*$40,000*
e. Post filtration system	*$387,289*

f.	*SCADA Upgrades*	*$424,000*
g.	*Sewer Relining*	*$100,000*
	Total	***$6,273,289***

Ancillary Considerations: Public Safety during an Emergency

During a time of emergency public safety agencies need to be prepared to respond to threats to public safety and critical infrastructure. The City is facing a man-made emergency that is threatening the public health. Resentment and hostility toward local institutions and municipal government is at a significant level.

Critical infrastructure should be safeguarded if the need arises. This includes increasing security at City Hall to reduce potential for public safety risks. In the case of credible threats to public infrastructure, it may be required to hire private security company for first line of defense. Private Security is lower cost, thereby making it the first option. The minimum response is acted upon first, elevating only if the need arises. Credible or imminent threats of damage or destruction to critical infrastructure requires an elevated response. Such needs may require over-time police officers to address critical situations. Mutual aid from surrounding communities can be requested if Flint public safety is overextended.

Implementation:

Community Partners

Financial limitations of the city persist while it confronts this emergency. Many community partners have offered their assistance to perform various needed functions. The city is heavily reliant on the assistance that government agencies and nonprofit organizations have provided.

The Mott Foundation

The Mott Foundation has provided financial assistance, especially in their generous contribution of $4 million. In addition, the Mott Foundation has recently pledged an additional

United Way

The Genesee County United Way has provided significant financial assistance in the way of purchasing and helping to distribute water filters since the public health emergency began on October 1st, 2015.

Genesee County Community Action Resources Department (GCCARD)

GCCARD is organized to fight poverty and has been a primary partner in the distribution of water filters. It has also regularly supported the city with the logistics and availability of water filters at City Hall.

Genesee County Health Department

Has provided educational information to Flint Water customers

Genesee County Board of Commissioners

The Board of Commissioners have pledged their support to help Flint seek solutions to this crisis. The Board has already assisted in making health and nutrition information available to the public.

Assistance from Wayne State University

Wayne State University's Center for Urban Studies will be providing technical GIS support to assist in the documentation of emergency relief efforts.

The US Environmental Protection Agency

Region 5 EPA has offered assistance with Public Information distribution during the emergency.

Outside Help is still needed…

The City of Flint is forever thankful to our community partners who have given so much to help so many people. However the magnitude of this emergency calls for more resources that are beyond the capacity of the combined local organizations and government agencies. Long term solutions will require a heavy investment in health care and capital improvement projects to upgrade the city's antiquated water distribution system.

- Help with Immediate Relief in terms of assuring allocative efficiency. Distribution should be equitable- assistance from other governments required to assure this.
- Reaching communities for the distribution of water filters, water, and educational materials.
- Help with Water Testing to increase participation and lead education.
- Increasing the rate of water testing
- Assistance is required to fund essential capital improvement projects to guarantee clean and safe water.

From: Baird, Richard (GOV)
Sent: Wednesday, December 30, 2015 9:13 PM
To: Kelenske, Chris (MSP)
Cc: Etue, Kriste (MSP)
Subject: Re: FW: Attorney Client Work Product (Draft), Privileged and Confidential

You are spot on. Relax. I will manage this through. Colonel knows how I work. I will send you what I just gave Harvey privately. We listen to everyone...then we decide and expect them to support.

R

Sent from my Verizon Wireless 4G LTE DROID
On Dec 30, 2015 9:09 PM, "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov> wrote:

I think we need to make sure this committee does not become more a committee of discussion versus action … I was thinking it was more a group to get the requests from the City, develop an Incident Action Plan and then getting the tasks completed as identified.

My framework on this is very disaster/emergency centric where we have a problem and do our best to quickly get it fixed … I know this has a lot more political issues I am not as schooled in though.

Chris

From: Holland, Meegan (GOV)
Sent: Wednesday, December 30, 2015 9:01 PM
To: Baird, Richard (GOV); Agen, Jarrod (GOV); Clement, Elizabeth (GOV); Hollins, Harvey (GOV); Kelenske, Chris (MSP); Murray, David (GOV); Redford, James (GOV); Becker, Timothy (DHHS); Creagh, Keith (DNR); Roberts, John (DTMB)
Cc: Etue, Kriste (MSP); Lyon, Nick (DHHS)
Subject: RE: Attorney Client Work Product (Draft), Privileged and Confidential

I offer a few thoughts, and some of these may be incredibly naïve, but we seem to be in a brainstorming mode:

- Should we include MSHDA in the mix of departments involved in this? They administer the Community Development Block Grant program and this may call for some of that money.
- It might be prudent to reach out to Sen. Ananich, Rep. Neeley and U.S. Rep. Dan Kildee to see if they would like representatives from their offices on any of these committees.

- We still need to convey better the extent of the problem. So maybe this is a communications issue more than anything else, because I do know testing is going on. I don't know HOW it's going on, so I offer these suggestions, realizing they may already be happening or are totally unrealistic:

  The goal: Assess the extent of the elevated blood lead levels – the number of those affected and the degree to which they're affected

- Get as many people in the affected zip codes tested as possible – can the Red Cross or some other agency with a bus or mobile unit set up for folks to give blood convert over to blood level testing and go into neighborhoods that have low testing rates?

- A public health friend of mine said that Genesee County Health workers are stressed to the max. Can we deploy appropriate personnel from other county health agencies to help with inspecting homes for possible other causes In other words, it won't do any good to invest more in water infrastructure if we're finding window sills with teeth marks. I say this NOT to downplay the role that water lead levels may have played. But can we get Habitat for Humanity, for example, to do a massive volunteer effort to eradicate lead paint in homes … or is that beyond their expertise?

- Gather experts to assess exactly how extensive the problem is and potential causes. And then convey this in a much more accessible ways. If you want blood level data, you have to scroll down on the DHHS web site, find the headline and then read a long press release. Maybe we're conveying this information better on the ground, but if not, we need to communicate conclusive findings in multiple ways– graphics, video, informational photo galleries and maybe even a "test" that residents can take to see if their home is at risk in other ways. I know that sounds awfully MLive-ish, but it can be effective.

From: Baird, Richard (GOV)
Sent: Wednesday, December 30, 2015 6:57 PM
To: Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Kelenske, Chris (MSP) <KelenskeC@michigan.gov>; Holland, Meegan (GOV) <HollandM2@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>; Redford, James (GOV) <RedfordJ@michigan.gov>; Becker, Timothy (DHHS) <beckert1@michigan.gov>; Creagh, Keith (DNR) <creaghk@michigan.gov>; Roberts, John (DTMB) <RobertsJ9@michigan.gov>
Cc: Etue, Kriste (MSP) <EtueK@michigan.gov>; Lyon, Nick (DHHS) <LyonN2@michigan.gov>
Subject: Attorney Client Work Product (Draft), Privileged and Confidential

Team:

Today Harvey and I met with the Flint Water Task Force. It was a good meeting. People were pleased with the G's statement from the prior day. Captain Kelenske joined us and we had a very good discussion about moving forward with the creation of the Flint Water Crisis Agency Coordinating Committee (FIACC). Tim Becker and Captain Kelenske provided me with a fair amount of input. I also read the City of Flint Incident Action Plan for a State of Emergency which Chris received today (enclosed for those who wish to read it as well). I have distilled all of this into a two page plan that I want your edits and comments on and a one page organizational chart (now presented in the "governor's colors" according to our fine people in Communications). Spoiler

alert—I made Captain Kelenske Vice Chair of the whole shebang (with the Colonel's blessing) so Harvey wouldn't get lonely.

Here is my ask of you:

1) Within 24 (sooner if you can) hours give me your comments and input

2) Tomorrow I will turn around a final document for Jarrod to review with the Governor either New Year's Day or Saturday

3) Ideally, Governor will approve Harvey sending it to Mayor Weaver Saturday (Sunday latest)

4) Mayor needs to know that this is what the Governor wishes to discuss at the meeting January 7 along with financial resources that we still need some estimates on cost from DHHS for

5) Meegan and Dave need to noodle how best to get out front with this and change the narrative focus on Monday's Genesee County declaration of emergency

I know we are all working way too hard for what should be a rest and recharge period but I do appreciate everyone's efforts and I know the Boss really does as well.

Regards,

Rich

From: Baird, Richard (GOV)
Sent: Wednesday, December 30, 2015 9:13 PM
To: Etue, Kriste (MSP); Kelenske, Chris (MSP)
Subject: Fwd: RE: Attorney Client Work Product (Draft), Privileged and Confidential

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Date: Dec 30, 2015 8:55 PM
Subject: Fwd: RE: Attorney Client Work Product (Draft), Privileged and Confidential
To: "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
Cc:

He's right. We need local engagement but the politics and "other agenda" leave no room at the top for a local in my view. If we are going to be accountable for making this work without being political the only folk I trust are you and him.

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov>
Date: Dec 30, 2015 8:38 PM
Subject: RE: Attorney Client Work Product (Draft), Privileged and Confidential
To: "Creagh, Keith (DNR)" <creaghk@michigan.gov>,"Baird, Richard (GOV)" <bairdr@michigan.gov>
Cc: "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>,"Clement, Elizabeth (GOV)" <clemente@michigan.gov>,"Hollins, Harvey (GOV)" <hollinsh@michigan.gov>,"Holland, Meegan (GOV)" <HollandM2@michigan.gov>,"Murray, David (GOV)" <MurrayD1@michigan.gov>,"Redford, James (GOV)" <RedfordJ@michigan.gov>,"Becker, Timothy (DHHS)" <beckert1@michigan.gov>,"Roberts, John (DTMB)" <RobertsJ9@michigan.gov>,"Etue, Kriste (MSP)" <EtueK@michigan.gov>,"Lyon, Nick (DHHS)" <LyonN2@michigan.gov>

The concern I have with having a local as a vice chair is that this is being pushed to the state level to fix. Similar to an emergency that reaches the state level, we need to have one lead to move this forward and that should be at the state level. I have run numerous state and federal disasters in this manner. The locals are pushing the request for resources to the state so this is them saying they cannot do anything more and handing this off to the state. This is one of the areas I mentioned that needs to stay consistent with the Emergency Management Act and how we manage incidents.

Locals still have a voice in this (one way is that they are generating the requests for resources to assist).

Chris

From: Creagh, Keith (DNR)
Sent: Wednesday, December 30, 2015 8:15 PM
To: Baird, Richard (GOV)
Cc: Agen, Jarrod (GOV); Clement, Elizabeth (GOV); Hollins, Harvey (GOV); Kelenske, Chris (MSP); Holland, Meegan (GOV); Murray, David (GOV); Redford, James (GOV); Becker, Timothy (DHHS); Roberts, John (DTMB); Etue, Kriste (MSP) Lyon, Nick (DHHS)
Subject: Re: Attorney Client Work Product (Draft), Privileged and Confidential

Thanks for the opportunity to comment. I agree with Jim that it would be good to have a local entity at least be a co vice chair if possible. I would question statement of need wording and ask that it be reflect of the need for additional resources, integrated approach, additional professional expertise, enhanced communication,coordination and connection...you get the gist. Rich I would be happy to discuss at your convenience if appropriate. This would appear consistent with the request from Flint. Also in my limited (and I stress limited) discussions today I asked what success looked like and it included many of the suggested components. The individual I was speaking with wanted to further explore:

Increased funding/focus for Head start to get ahead of the curve

School nutrition and distribution systems (year around)

Fresh produce/local foods

Individual health screening

Infrastructure improvements

I know most if not all are identified in the outline but might want to further explain the nutrition component if the Docs in the group say it might be beneficial for those involved.

Thanks again-Keith

Sent from my iPad

On Dec 30, 2015, at 6:57 PM, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:

Team:

Today Harvey and I met with the Flint Water Task Force. It was a good meeting. People were pleased with the G's statement from the prior day. Captain Kelenske joined us and we had a very good discussion about moving forward with the creation of the Flint Water Crisis Agency Coordinating Committee (FIACC). Tim Becker and Captain Kelenske provided me with a fair amount of input. I also read the City of Flint Incident Action Plan for a State of Emergency which Chris received today (enclosed for those who wish to read it as well). I have distilled all of this into a two page plan that I want your edits and comments on and a one page organizational chart (now presented in the "governor's colors" according to our fine people in Communications). Spoiler alert—I made Captain Kelenske Vice Chair of the whole shebang (with the Colonel's blessing) so Harvey wouldn't get lonely.

Here is my ask of you:

1) Within 24 (sooner if you can) hours give me your comments and input

2) Tomorrow I will turn around a final document for Jarrod to review with the Governor either New Year's Day or Saturday

3) Ideally, Governor will approve Harvey sending it to Mayor Weaver Saturday (Sunday latest)

4) Mayor needs to know that this is what the Governor wishes to discuss at the meeting January 7 along with financial resources that we still need some estimates on cost from DHHS for

5) Meegan and Dave need to noodle how best to get out front with this and change the narrative focus on Monday's Genesee County declaration of emergency

I know we are all working way too hard for what should be a rest and recharge period but I do appreciate everyone's efforts and I know the Boss really does as well.

Regards,

Rich

<A Proposal to Create the Flint Water Inter.docx>

<IA Coord Com Org Chart.jpg>

<IAP Flint Water 2015-12-29.pdf>

From: Baird, Richard (GOV)
Sent: Wednesday, December 30, 2015 9:25 PM
To: Kelenske, Chris (MSP)
Subject: Fwd: Re: Attorney Client Work Product (Draft), Privileged and Confidential

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Date: Dec 30, 2015 9:22 PM
Subject: Re: Attorney Client Work Product (Draft), Privileged and Confidential
To: "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
Cc:

> Please don't confuse engagement with leadership. We will guarantee engagement and partnership. We do not need to syndicate leadership. If we need to talk real time let me know. We are in listen mode right now. But I can assure you, we are going to be held accountable and that means we get to retain leadership that ensures engagement AND action. Trust me on this amigo.
>
> Sent from my Verizon Wireless 4G LTE DROID
> On Dec 30, 2015 9:17 PM, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov> wrote:
>>
>> I know...but the FWTAF is correct about having local engagement on this.
>>
>> Best,
>> Harvey
>>
>> On Dec 30, 2015, at 8:55 PM, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:
>>
>>> He's right. We need local engagement but the politics and "other agenda" leave no room at the top for a local in my view. If we are going to be accountable for making this work without being political the only folk I trust are you and him.
>>>
>>> Sent from my Verizon Wireless 4G LTE DROID
>>> ---------- Forwarded message ----------
>>> From: "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov>
>>> Date: Dec 30, 2015 8:38 PM
>>> Subject: RE: Attorney Client Work Product (Draft), Privileged and Confidential
>>> To: "Creagh, Keith (DNR)" <creaghk@michigan.gov>,"Baird, Richard (GOV)" <bairdr@michigan.gov>
>>> Cc: "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>,"Clement, Elizabeth (GOV)" <clemente@michigan.gov>,"Hollins, Harvey (GOV)" <hollinsh@michigan.gov>,"Holland, Meegan (GOV)" <HollandM2@michigan.gov>,"Murray, David (GOV)" <MurrayD1@michigan.gov>,"Redford, James (GOV)" <RedfordJ@michigan.gov>,"Becker, Timothy (DHHS)" <beckert1@michigan.gov>,"Roberts, John (DTMB)" <RobertsJ9@michigan.gov>,"Etue, Kriste (MSP)" <EtueK@michigan.gov>,"Lyon, Nick (DHHS)" <LyonN2@michigan.gov>
>>>

>>>> *The concern I have with having a local as a vice chair is that this is being pushed to the state level to fix. Similar to an emergency that reaches the state level, we need to have one lead to move this forward and that should be at the state level. I have run numerous state and federal disasters in this manner. The locals are pushing the request for resources to the state so this is them saying they cannot do anything more and handing this off to the state. This is one of the areas I mentioned that needs to stay consistent with the Emergency Management Act and how we manage incidents.*
>>>>
>>>>
>>>>
>>>> *Locals still have a voice in this (one way is that they are generating the requests for resources to assist).*
>>>>
>>>>
>>>>
>>>> *Chris*
>>>>
>>>>
>>>>
>>>>
>>>>
>>>> *From: Creagh, Keith (DNR)*
>>>> *Sent: Wednesday, December 30, 2015 8:15 PM*
>>>> *To: Baird, Richard (GOV)*
>>>> *Cc: Agen, Jarrod (GOV); Clement, Elizabeth (GOV); Hollins, Harvey (GOV); Kelenske, Chris (MSP); Holland, Meegan (GOV); Murray, David (GOV); Redford, James (GOV); Becker, Timothy (DHHS); Roberts, John (DTMB); Etue, Kriste (MSP); Lyon, Nick (DHHS)*
>>>> *Subject: Re: Attorney Client Work Product (Draft), Privileged and Confidential*
>>>>
>>>>
>>>>
>>>> *Thanks for the opportunity to comment. I agree with Jim that it would be good to have a local entity at least be a co vice chair if possible. I would question statement of need wording and ask that it be reflect of the need for additional resources, integrated approach, additional professional expertise, enhanced communication,coordination and connection...you get the gist. Rich I would be happy to discuss at your convenience if appropriate. This would appear consistent with the request from Flint. Also in my limited (and I stress limited) discussions today I asked what success looked like and it included many of the suggested components. The individual I was speaking with wanted to further explore:*
>>>>
>>>> *Increased funding/focus for Head start to get ahead of the curve*
>>>>
>>>> *School nutrition and distribution systems (year around)*
>>>>
>>>> *Fresh produce/local foods*
>>>>
>>>>
>>>>
>>>> *Individual health screening*
>>>>
>>>> *Infrastructure improvements*
>>>>
>>>>
>>>>

>>>> I know most if not all are identified in the outline but might want to further explain the nutrition component if the Docs in the group say it might be beneficial for those involved.
>>>>
>>>>
>>>>
>>>> Thanks again-Keith
>>>>
>>>>
>>>>
>>>>
>>>> Sent from my iPad
>>>>
>>>>
>>>> On Dec 30, 2015, at 6:57 PM, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:
>>>>>
>>>>> Team:
>>>>>
>>>>>
>>>>>
>>>>> Today Harvey and I met with the Flint Water Task Force. It was a good meeting. People were pleased with the G's statement from the prior day. Captain Kelenske joined us and we had a very good discussion about moving forward with the creation of the Flint Water Crisis Agency Coordinating Committee (FIACC). Tim Becker and Captain Kelenske provided me with a fair amount of input. I also read the City of Flint Incident Action Plan for a State of Emergency which Chris received today (enclosed for those who wish to read it as well). I have distilled all of this into a two page plan that I want your edits and comments on and a one page organizational chart (now presented in the "governor's colors" according to our fine people in Communications). Spoiler alert—I made Captain Kelenske Vice Chair of the whole shebang (with the Colonel's blessing) so Harvey wouldn't get lonely.
>>>>>
>>>>>
>>>>>
>>>>> Here is my ask of you:
>>>>>
>>>>>
>>>>>
>>>>> 1) Within 24 (sooner if you can) hours give me your comments and input
>>>>>
>>>>> 2) Tomorrow I will turn around a final document for Jarrod to review with the Governor either New Year's Day or Saturday
>>>>>
>>>>> 3) Ideally, Governor will approve Harvey sending it to Mayor Weaver Saturday (Sunday latest)
>>>>>
>>>>> 4) Mayor needs to know that this is what the Governor wishes to discuss at the meeting January 7 along with financial resources that we still need some estimates on cost from DHHS for
>>>>>
>>>>> 5) Meegan and Dave need to noodle how best to get out front with this and change the narrative focus on Monday's Genesee County declaration of emergency
>>>>>
>>>>>
>>>>> I know we are all working way too hard for what should be a rest and recharge period but I do appreciate everyone's efforts and I know the Boss really does as well.

>>>>>
>>>>>
>>>>>
>>>>> *Regards,*
>>>>>
>>>>>
>>>>>
>>>>> *Rich*
>>>>>
>>>>> *<A Proposal to Create the Flint Water Inter.docx>*
>>>>>
>>>>> *<IA Coord Com Org Chart.jpg>*
>>>>>
>>>>> *<IAP Flint Water 2015-12-29.pdf>*

From: Baird, Richard (GOV)
Sent: Sunday, January 03, 2016 2:37 PM
To: Kelenske, Chris (MSP)
Subject: Fwd: URGENT - DRAFT: FWIACC proposal
Attachments: FWIACC document v2.docx; IA Coord Com Org Chart 233264.pptx; FWIACC cover letter.docx

You should review this right away too. Thanks.

Rich

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Holland, Meegan (GOV)" <HollandM2@michigan.gov>
Date: Jan 3, 2016 2:31 PM
Subject: URGENT - DRAFT: FWIACC proposal
To: "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>,"Calley, Brian (GOV)" <[redacted]>,"Scott, Allison (GOV)" <scotta12@michigan.gov>,"Clement, Elizabeth (GOV)" <clemente@michigan.gov>,"Baird, Richard (GOV)" <bairdr@michigan.gov>,"Murray, David (GOV)" <MurrayD1@michigan.gov>,"Agen, Jarrod (GOV)" <AgenJ@michigan.gov>,"Redford, James (GOV)" <RedfordJ@michigan.gov>,"Posthumus, Dick (GOV)" <Posthumusd@michigan.gov>
Cc:

Colleagues,

Here is a cover letter, FWIACC plan and org chart. Harvey is planning on sending this to Mayor Karen Weaver today.

If you have any feedback, please provide it immediately, since I'll be out of pocket starting at 3:15 p.m. (sorry for the late notice).

- Meegan

Meegan Holland

Director of Communications for Gov. Rick Snyder

Office: 517-335-6397

Mobile: [redacted]

Twitter: @meholland

DRAFT: A Proposal to Create the Flint Water Inter-Agency Coordinating Committee (FWIACC)

Statement of Need

To better coordinate resources and personnel and react with urgency, Harvey Hollins and MSP Capt. Chris Kelenske have been tasked with creating FWIACC, subject to the approval and endorsement by Flint Mayor Karen Weaver.

We are also recommending, by executive order, that Gov. Rick Snyder authorizes this committee to help restore safe water in Flint and coordinate efforts addressing health/behavioral consequences from lead ingestion.

This inter-agency group will fully engage with all stakeholders committed to solving Flint water issues. Equal partners. Equal leadership. Equal responsibility. Equal chance to be part of the solution to an important and not fully understood problem.

FWIACC will be facilitated by Hollins and Kelenske, who represent statewide resources and constituencies, with support from senior members of the Governor's office.

An overview of FWIACC's goals:

- Create a routine information process between all parties.
- Pursue other avenues of funding, including federal grants and legislative appropriations.
- Implement without delay any appropriate mechanisms that are called for in the Emergency Management Act or the Stafford Disaster Relief and Emergency Assistance Act. These may include local emergency operations plans and guides.

Action Plan

Immediately, FWIACC will:

1. Establish an interagency workgroup described in the attached organizational chart. It will be comprised of DHHS, MDEQ, MSP, Treasury, Genesee County, City of Flint, MDE, LARA and external subject matter experts (SMEs). Other entities may be added as needed. Personnel must be goal-oriented, transparent with findings, and able to accomplish FWIACC Incident Action Plan items created by the state in a timely manner. The FWIACC plan would be created with city, county, state and federal needs in mind.

2. Assemble staff with competencies in disaster/emergency planning, operations and finance as outlined under the National Incident Management System (NIMS). Staff will be accountable to the FWIACC leadership to track resource requests and document progress on the FWIACC incident action plan.

3. Utilize the National Incident Management System and Unified/Incident Command as appropriate.

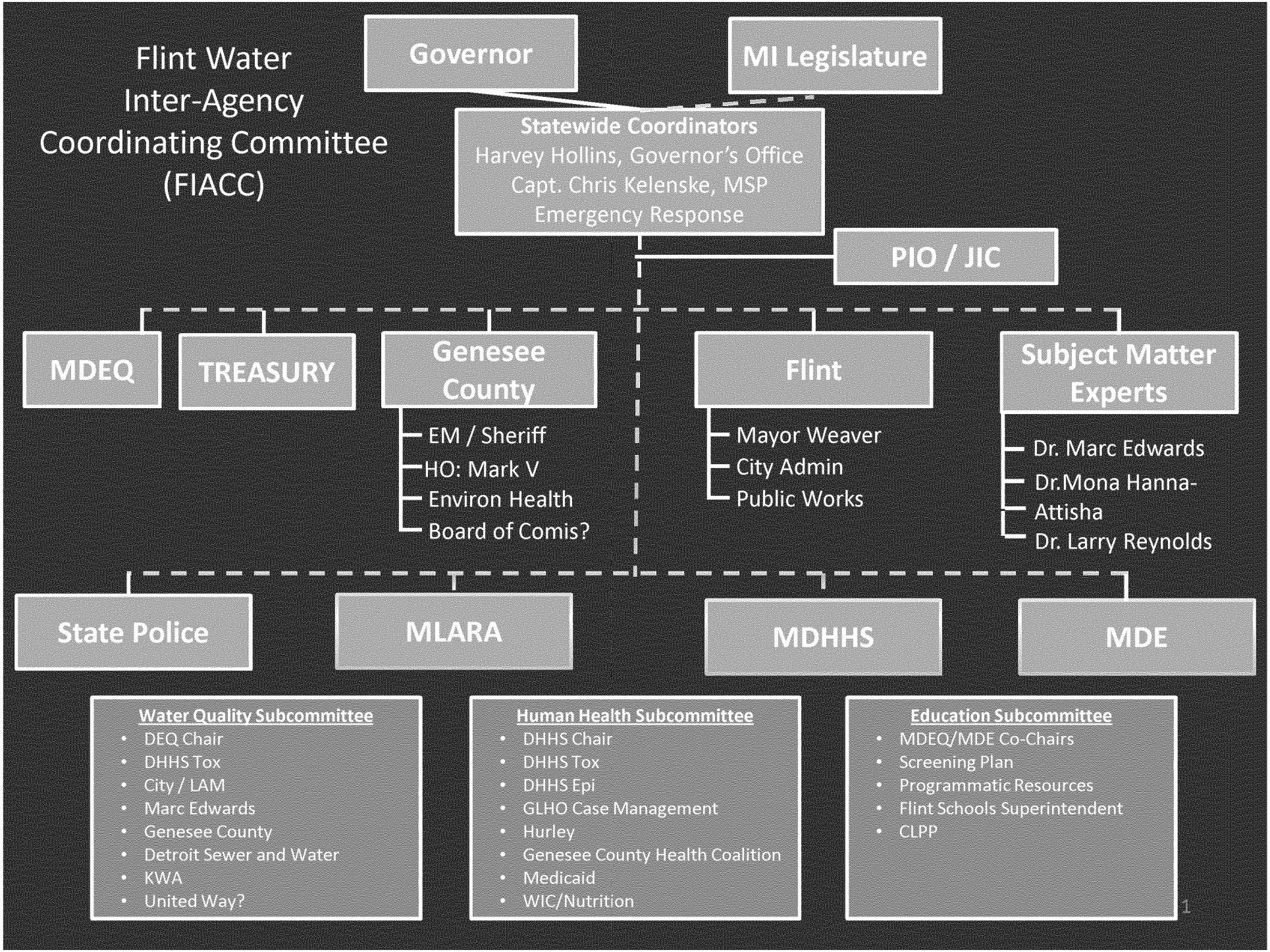
4. Establish routine communications protocols at the operational, executive and legislative levels as determined appropriate.

5. Establish interagency workgroup objectives using the following as a starting point.

Interagency Workgroup Objectives

1. Determine and convey acceptable standards for potable water.
    - Identify needed remediation.
    - Convey the remediation plan objectives to all stakeholders and interested parties.
    - Create logistics for distributing water and filters, particularly to homebound citizens.
    - Implement the plan.
2. Determine health impacts for the impacted population.
    - Identify treatment methods, nutrition education and protocols for monitoring, neurodevelopmental screening, access to DBP specialists and psychologists/psychiatrists, expanded county services, etc.
    - Convey the treatment plan objectives to interested parties.
    - Implement the plan.
3. Establish a public information protocol to effectively inform the community.
    - Identify existing public information outlets within the city, county and state, including schools, churches and other formal and informal distribution networks.
    - Establish a Joint Information Center.
    - Provide for emergency alerts and updates.
    - Determine the process for approving official information before it's disseminated.
    - Convey to interested parties.
4. Assess the status of the infrastructure and determine feasible actions to upgrade the water system.
    - Determine current state of the infrastructure.
    - Develop priorities, costs and potential funding sources for infrastructure upgrades as part of a long term recovery plan.
    - Seek partners to assist (NGOs, Foundations, Business, etc.).
    - Implement the plan.

Flint Water Inter-Agency Coordinating Committee (FIACC)



January 3, 2016

To: Mayor Karen Weaver

From: Harvey Hollins

Governor Snyder and several members of his team do not believe we can wait for the necessary documentation for FEMA to act on any emergency declaration – and that an action plan should be fired up now by our State and Local entities and bring together agencies and stakeholders that need to communicate and coordinate more effectively regarding next steps and resources.

Our working draft title is the Flint Water Inter-Agency Coordinating Committee (FWIACC), and it would immediately address ways at every level to restore safe water and monitor/mitigate the effects of the lead.

In addition to Governor Snyder, the key officials working on this blueprint were MSP Capt. Chris Kelenske, DHHS Chief Deputy Tim Becker, DHHS Director Nick Lyon, Rich Baird and myself. The need for engaged central coordination has also been recommended by the Governor's Flint Water After-Action Task Force, of which Dr. Larry Reynolds is a member. Governor Snyder has endorsed this approach and has asked me to provide you with a draft copy in advance of your meeting with him on January 7. If you agree, we will organize this committee immediately, and the Governor will issue an executive order to authorize FWIACC to work on the issue for the long term .

As you know, there is a significant amount of work to be done before the Federal government will approve an emergency declaration under the Emergency Management Act. FWIACC could begin its work immediately and would be in place to complement, not replace any action group ultimately formed by an emergency declaration. And we believe it would demonstrate how to best leverage essential support addressing manmade emergencies like this, since existing laws are more oriented toward natural disasters.

We brainstormed who should be included in this initial emergency response, with the idea that you and other stakeholders may have recommendations on others who need to be added.

You will note the organization chart and the proposal description is not a normal hierarchical entity. This is a collaborative, stakeholder-driven partnership. Chris and I would facilitate it, but it is a partnership of city, county and state viewpoints, and would include outside experts like Marc Edwards and Dr. Mona Hanna-Attisha.

All parties will be required to be transparent about their ideas and findings, agreeing to accountability measures and reporting on them on a regular basis.

Please let me know your thoughts on this approach and also other agenda items you wish to see on January 7. If you agree, we would also invite the interim DEQ director, Keith Creagh, and the newly appointed spokesperson to meet you then.

From: Baird, Richard (GOV)
Sent: Tuesday, January 05, 2016 1:02 PM
To: Manolakoudis, Virginia (GOV)
Subject: Fwd: Re: Flint Water Advisory Task Force Meeting
Attachments: Draft Agenda 1-6-16.docx

I would like to dial in too.

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: Chris Kolb <[redacted]
Date: Jan 5, 2016 12:15 PM
Subject: Re: Flint Water Advisory Task Force Meeting
To: "Clayton, Stacie (GOV)" <claytons3@michigan.gov>
Cc: "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>,"Baird, Richard (GOV)" <bairdr@michigan.gov>

Attached please find a draft agenda. It has the call-in information on it, and I have included it below:

Call In Number:[redacted]
Access Code:[redacted]

If the is a problem connecting have Harvey call my cell phone [redacted]or the office number (517) 487-9539.

If you have any questions regarding this matter, please feel free to contact me.

Thanks!
Chris

On Tue, Jan 5, 2016 at 12:10 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:

Greetings Chris,

Harvey will participating via phone for tomorrow's meeting. Is there a call in-number and will you please send the meeting agenda?

Thank you,

~Stacie

Stacie Clayton, Assistant Director

Harvey Hollins III, Director

Governor's Office of Urban Initiatives

3044 West Grand Boulevard, Ste. 14-650

Detroit, MI 48202

313.456.4994 (office)

claytons3@michigan.gov

From: Chris Kolb [mailto:[redacted]
Sent: Tuesday, January 05, 2016 11:40 AM
To: Baird, Richard (GOV) <bairdr@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>
Subject: Flint Water Advisory Task Force Meeting

Rich and Harvey,

Are you both planning on being at tomorrow's Flint Water Advisory Task Force meeting? If so, I will forward you an agenda and let you know that the meeting is at our (MEC) office, 602 W. Ionia, Lansing, MI 48933. Amble parking in the back, enter from the back parking lot.

Thanks!

Chris

--

Chris Kolb, President & CEO
Michigan Environmental Council
602 W. Ionia
Lansing, MI 48933

517.487.9539 (office)
517.487.9541 (fax)
[redacted]

Sign up for our Electronic Newsletter!

www.environmentalcouncil.org
www.twitter.com/ckolb

www.twitter.com/michenvcouncil

--
Chris Kolb, President & CEO
Michigan Environmental Council
602 W. Ionia
Lansing, MI 48933

517.487.9539 (office)
517.487.9541 (fax)
[redacted]

Sign up for our Electronic Newsletter!

www.environmentalcouncil.org
www.twitter.com/ckolb
www.twitter.com/michenvcouncil

Flint Water Advisory Task Force

January 6, 2016
9:30am-12:00pm
Michigan Environmental Council
602 W. Ionia, Lansing, MI 48933

Call In Number: [redacted]
Access Code: [redacted]

1. Review Agenda 9:30-9:35am

2. Brief Update since sending the Second Letter to Governor 9:35-9:50am

3. Task Force Work Plan 9:50-11:30am

    a. FWATF Workplan Update
    b. Status of Interviews
    c. Report Outline
    d. Major Next Steps
    e. Press Interactions
    f. U.S. Attorney Investigation

4. Harvey Hollins Report 11:30-11-45am (unless already covered in earlier discussions)
    a. Update on proposed FWIACC
    b. Meeting between Mayor and Governor

5. "Round Robin"—Issues Task Force Members Want to Raise—11:45-11:55am

6. Task Force Logistics—11:55-12:00pm

    a. Next Meetings
        i. January 14, 2016--PSC

From: Baird, Richard (GOV)
Sent: Tuesday, January 05, 2016 4:13 PM
To: 'Ken Sikkema'; Chris Kolb
Subject: FW: FYI- Release going shortly re: Flint Emergency Declaration

fyi

From: Biehl, Laura (GOV)
Sent: Tuesday, January 05, 2016 3:50 PM
To: [redacted] Forstner, Nathaniel (GOV); Scott, Allison (GOV); Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Agen, Jarrod (GOV); Baird, Richard (GOV); Emmitt, Beth (GOV); Mcbride, Bill (GOV); Hollins, Harvey (GOV); Posthumus, Dick (GOV); Redford, James (GOV); Walsh, John (GOV)
Cc: Murray, David (GOV); Holland, Meegan (GOV)
Subject: FYI- Release going shortly re: Flint Emergency Declaration

Good afternoon,

Just wanted you all to know that we're issuing the following press release shortly regarding the Governor declaring an emergency in Genesee County and activating the State Emergency Operations Center. The declaration will be attached with it.

Thanks!

Gov. Snyder declares emergency for Genesee County

State Emergency Operations Center activated to assist with relief efforts

LANSING, Mich. – Gov. Rick Snyder today declared a state of emergency for Genesee County due to the ongoing health and safety issues caused by lead in the city of Flint's drinking water.

By declaring a state of emergency, Snyder has made available all state resources in cooperation with local response and recovery operations. The declaration authorizes the Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD) to coordinate state efforts.

"The health and welfare of Flint residents is a top priority and we're committed to a coordinated approach with resources from state agencies to address all aspects of this situation," Snyder said. "Working in full partnership with the Flint Water Advisory Task Force, all levels of government and water quality experts, we will find both short-term and long-term solutions to ensure the health and safety of Flint residents."

In addition to the emergency declaration, Snyder activated the State Emergency Operations Center to coordinate state response and recovery activities. State agencies will report to the center to coordinate resources, assess the situation and begin providing assets to assist with local relief operations.

"Our staff recognizes the urgency of this situation and is already working closely with local officials," said Capt. Chris A. Kelenske, Deputy State Director of Emergency Management and

Homeland Security and commander of the MSP/EMHSD. “We will continue to collaborate with state, city and county leaders to coordinate relief efforts, streamline communication and use all available resources to help residents.”

On Jan. 4, Genesee County declared a “local state of emergency,” which activated local emergency response and recovery plans. By requesting a governor’s declaration, the county has determined local resources are insufficient to address the situation and state assistance is required to protect public health, safety and property to lessen or avert the threat of a crisis.

The city of Flint has been under a local emergency declaration since Dec. 14, 2015.

The SEOC is the emergency operations center for the state of Michigan. Located in Lansing, the center is overseen by the MSP/EMHSD and coordinates response and recovery efforts by state agencies and local government. The SEOC is staffed by members of state agencies and other partners for decision making and information coordination during disasters or emergencies in the state of Michigan.

###

Laura Biehl
Deputy Press Secretary
Executive Office of Michigan Gov. Rick Snyder
George W. Romney Building
111 S. Capitol Ave.
Lansing, MI 48933
Office: 517-335-6397
Cell: [redacted]
BiehlL@Michigan.gov

From: Hollins, Harvey (GOV)
Sent: Tuesday, November 17, 2015 4:45 PM
To: Clayton, Stacie (GOV)
Subject: FW: request for comment on congressman's letter

From: Muchmore, Dennis (GOV)
Sent: Tuesday, November 17, 2015 4:44:34 PM (UTC-05:00) Eastern Time (US & Canada)
To: Wurfel, Sara (GOV); Mcbride, Bill (GOV)
Cc: Agen, Jarrod (GOV); Clement, Elizabeth (GOV); Hollins, Harvey (GOV); Scott, Allison (GOV); Walsh, John (GOV); Baird, Richard (GOV)
Subject: RE: request for comment on congressman's letter

Very nicely done. Hope you enjoyed my editorializing…

From: Wurfel, Sara (GOV)
Sent: Tuesday, November 17, 2015 3:58 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Mcbride, Bill (GOV) <mcbrideb@michigan.gov>
Cc: Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Scott, Allison (GOV) <scotta12@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>
Subject: RE: request for comment on congressman's letter

This is how am planning to respond to any media inquiries on this letter, which is just a couple so far:

We look forward to continuing work with Congressman Kildee and other officials and stakeholders at the federal, state and local levels to bring ideas and resources to bear to ensure public health in Flint and clean, safe drinking water. And again, we have the multiple step action plan as well as the independent, bipartisan task force work underway.

From: Muchmore, Dennis (GOV)
Sent: Tuesday, November 17, 2015 3:36 PM
To: Mcbride, Bill (GOV) <mcbrideb@michigan.gov>
Cc: Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Scott, Allison (GOV) <scotta12@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>
Subject: RE: request for comment on congressman's letter

I do not believe we should respond to this over the top letter for both legal and philosophical reasons. Responding to this just feeds his narrative. How about we not issue a letter in response? Here's my issues:

1. First paragraph, top of second page. "…additional steps that need to be taken to remediate the damage done to the people of Flint due to the failures at the state government level, alongside the forgiveness of Flint's Revolving Funds loan debt if that becomes available." All of these emotionally charged and essentially unfounded accusations suggest the state's culpability in levying damages to "the people of Flint". There are definitely people in Flint (mostly poor and without many resources but also many other people) struggling with an old system, brown water, lead and unsavory health problems that have been put through several months of alarm and struggle, but let's try to deal with human beings and not political bombast. Let's identify and solve problems. Literally hundreds of state employees have worked night and day to resolve these issues. Are we

going to blame state employees indiscriminately when our people were simply trying to do their jobs to the best of their ability and were unable to anticipate (for whatever reason) all the consequences?

2. First bullet point. "...and other state resources such as the rainy day and general funds to repair damage done...". Sorry, but we're not going to commit the general fund to repair "...Flint's water distribution system." What does that mean? And if we sign on to that then where does it stop and what repairs?
3. Second paragraph. "...hundreds of millions of dollars of damage....". Where did this come from? I take it the Congressman is now a self-appointed expert on water systems and their cost?
4. Second bullet. "...the state create a fund for ongoing assistance...." We already have several funds to deal with lead exposure and we have multiple programs, WIC, Medicaid, health endowment, etc. to assist people in need. Why would we create another fund?
5. Third paragraph. "...need for significant investments in the local health system in order to respond....". We already make significant investments in the local system. They were able to identify the danger early and I would assume they will be significant players in the future. Additionally, DHHS has a myriad of programs already in place to assist the local health system, which I don't need to remind everyone is a city owned hospital and for whatever reason never consulted by the city when the KWA conversion was being studied and proposed. That system also never objected nor tested the Flint River before, even though the river was always the city's source backup. Even the proposal prior to the state's involvement considered using two million gallons of Flint River water and that was a public record. But, that's another issue best left to another time.
6. Third bullet. "...rescind Flint's obligation to provide $2 million for the cost of connecting....". The state gave the city $2.1 million to help the water system during the summer, and part of the agreement to get the $6 million from the legislature for the emergency was contingent on Flint contributing a share.
7. Fourth paragraph. "...for the state's failures is an abdication of clear responsibility....". First of all, it's not a state's failures, it is a perhaps avoidable mistake made with the corrosives that was unacceptable to us, the Director and Governor are taking actions to fix the problems, the health and wellness of the people of Flint is our absolute concern, and it's not an abdication of clear responsibility. The "...state-appointed emergency manager was in charge..." may well be accurate for the physical change, but the decision to leave the Detroit system was made when the city, the Mayor, the council, the county, local leaders and the KWA was devised and that was well before the physical change.

For these reasons and others, I'd prefer Sara's general assistance and aid comments and not responding to the letter.

From: Hollins, Harvey (GOV)
Sent: Tuesday, November 17, 2015 1:19 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Cc: Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Mcbride, Bill (GOV) <mcbrideb@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>
Subject: Re: request for comment on congressman's letter

That's what I suggested; however after given it second thought, I think a simple reply should go something like:

"Thank you for your concerns regarding Flint. I've established a task force of experts who will advise us how to proceed, and I will be more than happy to send you their findings to you."

Best,
Harvey Hollins III, Director
Governor's Office of Urban Initiatives

313.456.4994 (office)
[redacted]

On Nov 17, 2015, at 11:30 AM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:

I think we should ignore the letter. We gain nothing by responding. I will send to Dan separately unless you all go crazy.

From: Wurfel, Sara (GOV)
Sent: Tuesday, November 17, 2015 10:06 AM
To: Mcbride, Bill (GOV) <mcbrideb@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>
Subject: FW: request for comment on congressman's letter

Please see below. Know we talked about this yesterday briefly at senior staff. What is status of response? Otherwise, will stick to basics and focus on moving forward piece, along with seeing if any specific updates from DEQ.

From: Ronald Fonger [mailto:RFONGER1@mlive.com]
Sent: Tuesday, November 17, 2015 9:53 AM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>
Subject: request for comment on congressman's letter

Hi Sara:
I've attached a copy of a letter Congressman Kildee sent to Gov. Snyder last week concerning Flint water issues.
I didn't know if there has been a formal reply and/or if you would want to comment on it.
Thanks,

Ron Fonger
MLive Media Group
Reporter

[redacted]
email rfonger1@mlive.com
address 540 S. Saginaw St. #101, Flint MI 48502

From: Clayton, Stacie (GOV)
Sent: Friday, October 03, 2014 3:18 PM
To: Thelen, Mary Beth (DEQ)
Subject: RE: CITY OF FLINT DRINKING WATER, GOVERNOR'S OFFICE BRIEFING PAPER

Got it. Thank you!

Stacie Clayton, Assistant to the Director
Harvey Hollins III, Director
Governor's Office of Urban and Metropolitan Initiatives
3044 West Grand Boulevard, Ste. 14-650
Detroit, MI 48202
313.456.4994
claytons3@michigan.gov

From: Thelen, Mary Beth (DEQ)
Sent: Friday, October 03, 2014 2:56 PM
To: Hollins, Harvey (GOV)
Cc: Clayton, Stacie (GOV); Wyant, Dan (DEQ)
Subject: FW: CITY OF FLINT DRINKING WATER, GOVERNOR'S OFFICE BRIEFING PAPER
Importance: High

Harvey,

Director Wyant asked that I forward you this information. Thank you.

Mary Beth

Mary Beth Thelen
Management Assistant to Director Dan Wyant
Department of Environmental Quality
Constitution Hall, 6th Floor South
Phone: 517-284-6712 or 284-6700 (new numbers)
Fax: 517-241-7401
Thelenm2@michigan.gov

From: Thelen, Mary Beth (DEQ)
Sent: Wednesday, October 01, 2014 11:19 AM
To: Scott, Allison (GOV); Muchmore, Dennis (GOV); Brader, Valerie (GOV)
Cc: Wurfel, Brad (DEQ); Wyant, Dan (DEQ); Datema, Maggie (DEQ); Sygo, Jim (DEQ); Wisniewski, Wendy (GOV); West, Samantha (GOV)
Subject: CITY OF FLINT DRINKING WATER, GOVERNOR'S OFFICE BRIEFING PAPER
Importance: High

Dear Governor, Dennis, and Val:

Per your request, the attached briefing paper is on the City of Flint drinking water situation. Director Dan Wyant has asked that I send this to you. A Word version as well as a pdf version is attached. We have also included a copy of the policy ODWMA-399-022 which specifically provides

guidance regarding boil water advisory situations, and a chart showing the significant increase in the City of Flint's water demands following the extreme conditions experienced this past winter.

Allison, please forward to the Governor. Thank you.

If you have any questions or need further information, please let us know. Thank you.

Mary Beth

Mary Beth Thelen
Management Assistant to Director Dan Wyant
Department of Environmental Quality
Constitution Hall, 6th Floor South
Phone: 517-284-6712 or 284-6700 (new numbers)
Fax: 517-241-7401
Thelenm2@michigan.gov

Attachments

From: Clayton, Stacie (GOV)
Sent: Friday, January 30, 2015 10:56 AM
To: Wisniewski, Wendy (GOV)
Cc: Hall, Jean (GOV); Rospond, Laurie (GOV)
Subject: RE: Flint Conference Call

Importance: High

Thank you, everyone.

We are going with 1:30pm. I'll send the appointment now.

Stacie

From: Wisniewski, Wendy (GOV)
Sent: Friday, January 30, 2015 10:48 AM
To: Clayton, Stacie (GOV); Hall, Jean (GOV); Rospond, Laurie (GOV); Brown, Jessica (GOV)
Cc: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Posthumus, Dick (GOV); Murray, David (GOV); Hollins, Harvey (GOV)
Subject: RE: Flint Conference Call

1:30 and 3:00 are the only times that work for both Dennis & Beth

---

From: Clayton, Stacie (GOV)
Sent: Friday, January 30, 2015 10:44 AM
To: Wisniewski, Wendy (GOV); Hall, Jean (GOV); Rospond, Laurie (GOV); Brown, Jessica (GOV)
Cc: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Posthumus, Dick (GOV); Murray, David (GOV); Hollins, Harvey (GOV)
Subject: Flint Conference Call

Greetings All,

Harvey would like to schedule a brief conference call today regarding next steps on Flint water matters. Please let me know DM. EC, JW, DP and DM availability for a call:

11:30am
12:00pm
1:00pm
1:30pm
2:00pm
2:30pm
3:00pm

Thank you,
Stacie

From: Hollins, Harvey (GOV)
Sent: Tuesday, March 03, 2015 12:56 PM
To: Muchmore, Dennis (GOV); Baird, Richard (GOV); Saxton, Thomas (Treasury); Clement, Elizabeth (GOV); Murray, David (GOV); Agen, Jarrod (GOV); Workman, Wayne (TREASURY)
Cc: Clayton, Stacie (GOV); Wisniewski, Wendy (GOV); VanSickle, Michele (GOV); Pleyte, Beth (Treasury); Dempkowski, Angela (Treasury)
Subject: Flint Phone Call

Importance: High

I'd like to convene a phone call today to discuss a Flint water solution. Please let Stacie know your availability for a call today anytime between 2pm and 5pm and she will send out the appointment and conference line information. I'll loop in Gerry Ambrose once we reach consensus.

Best,
Harvey

From: Clayton, Stacie (GOV)
Sent: Tuesday, March 03, 2015 2:06 PM
To: Wisniewski, Wendy (GOV)
Subject: RE: Flint Phone Call

No problem. Harvey said he was getting emails from Dennis on this topic and wanted to keep him in the loop. I did not include Dennis when I sent out the meeting notice. Isn't it time for our vacation too ☺

Stacie

From: Wisniewski, Wendy (GOV)
Sent: Tuesday, March 03, 2015 2:00 PM
To: Clayton, Stacie (GOV)
Subject: FW: Flint Phone Call
Importance: High

Hey Stacie – I took Dennis off this email when I answered because I'm really trying to not bother him while he's on vacation. . . at least this first week. Can you please ask Harvey to run everything by Beth before he goes to Dennis on anything.

From: Hollins, Harvey (GOV)
Sent: Tuesday, March 03, 2015 12:56 PM
To: Muchmore, Dennis (GOV); Baird, Richard (GOV); Saxton, Thomas (Treasury); Clement, Elizabeth (GOV); Murray, David (GOV); Agen, Jarrod (GOV); Workman, Wayne (TREASURY)
Cc: Clayton, Stacie (GOV); Wisniewski, Wendy (GOV); VanSickle, Michele (GOV); Pleyte, Beth (Treasury); Dempkowski, Angela (Treasury)
Subject: Flint Phone Call
Importance: High

I'd like to convene a phone call today to discuss a Flint water solution. Please let Stacie know your availability for a call today anytime between 2pm and 5pm and she will send out the appointment and conference line information. I'll loop in Gerry Ambrose once we reach consensus.

Best,
Harvey

From: Clayton, Stacie (GOV)
Sent: Friday, March 06, 2015 2:12 PM
To: Baird, Richard (GOV); Muchmore, Dennis (GOV); Clement, Elizabeth (GOV)
Cc: Hollins, Harvey (GOV)
Subject: FW: Flint Water Meeting
Attachments: SomnioGlobal_Ozone disinfection technology.pdf

Just an FYI – the meeting Rich asked Harvey to arrange will be on Monday at 1pm in Lansing. Please see below. -- Stacie

---

From: Clayton, Stacie (GOV)
Sent: Friday, March 06, 2015 2:05 PM
To: Hollins, Harvey (GOV); 'Gerald Ambrose'; 'Maxine Murray'; Thelen, Mary Beth (DEQ); Wurfel, Brad (DEQ); Devereaux, Tracy Jo (DEQ); Busch, Stephen (DEQ); 'Natasha Henderson'; Shekter Smith, Liane (DEQ)
Subject: Flint Water Meeting

Greetings All,

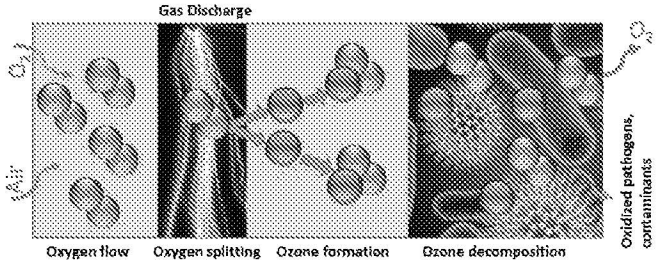
Attached is a brief overview of the information to be presented on Monday at the 1:00pm meeting with Steve Linder of the Sterling Corporation regarding Flint Water. The meeting will be held at the Sterling Corporation's offices on 106 W. Allegan, Ste. 2 in Lansing. I have sent the appointment and here are the list of attendees:

Harvey Hollins, Director, Governor's Office of Urban and Metropolitan Initiatives
Gerald Ambrose, Flint Emergency Manager
Natasha Henderson, Flint, City Manager
Liane Shekter Smith, Chief, Office of Drinking Water and Municipal Assistance (DEQ)
Stephen Busch, Office of Drinking Water and Municipal Assistance (DEQ)
Brad Wurfel, Director of Communications (DEQ)

Chemical Free Water Disinfection by Ozone

Today about 98% of water treatment facilities in the U.S. use some form of chlorine to disinfect drinking water supplies. It is a cost effective method for destroying potentially harmful bacteria and viruses. However, chlorine's ability to interact with organic compounds in water leads to trihalomethanes (THMs) formation. Especially, river or lake water with high level of organic matter require heavy chlorination to combat high level of bacteria, resulting in dangerous levels of THMs and bad smell. THMs, when ingested can encourage the growth of free radicals that can destroy or damage vital cells in the body. Besides cancer, exposure to THMs has been linked to other health issues including asthma, eczema, heart disease and higher miscarriage and birth defect rates. Further, high level of chlorine also poses serious risk to the aging infrastructure.

Chemical free water disinfection technologies such as UV light and ozone have long been recognized to be much safer than chlorination, however, their high cost has prevented wider adoption. The basic mechanism of ozone generation and disinfection is shown in the picture. Ozone has a high oxidation potential (much higher than chlorine) and a superior response time compared to other sanitizing products. Its high oxidizing potential enables ozone to break down organic matters that chlorine cannot. Some pollutants can only be oxidized by ozone. For example, ***Cryptosporidium Parvum***, a drinking water pollutant, is resistant to most disinfectants, but is effectively destroyed by ozone. Most importantly, the emission from ozone is pure oxygen and it leaves no residues.



UV light is a competing non-chemical sterilization technique. Intense UV rays break down the sensitive RNA and/or DNA of microorganisms, thus preventing the organism from reproducing. Ozone, on the other hand, oxidizes the microorganisms, thus destroying their cells completely. UV sterilization being a line of sight process, to be effective, one needs to remove most of the suspended matter prior to the treatment. In contrast, ozone oxidizes the soil or particulate matter, changing or destroying the chemistry of the soiling materials such as organic compounds.

Despite the great benefits of ozone, its widespread adoption is limited due to the high total ownership cost of current commercial ozone generators. Somnio's $AiR_2O_3^{TM}$ ozone generator is a paradigm shift in ozone generation technology. The first and only commercial barrier less ozone generator eliminates the requirement of dielectric barriers and highly filtered dried oxygen (pure or enriched) supplies, which restrain current commercial ozone generators. This groundbreaking technology brings a market-competitive, robust, energy efficient, and scalable modular device that offers a financially attractive alternative with the capability of producing varying levels of ozone depending on the application at hand.

Producing ozone cost effectively is only part of the greater story of the far reaching benefits of ozone. Applying ozone effectively for a given application requires careful and intelligent design, sensing and monitoring. In addition to its revolutionary $AiR_2O_3^{TM}$ ozone generator, Somnio

collaborates with end users to provide complete and economical turnkey solutions. Somnio's current in-house test plant incorporates all necessary safety features and automation.

From: Clayton, Stacie (GOV)
Sent: Thursday, April 09, 2015 3:50 PM
To: Cousineau, Sara (Treasury); Stoken, Laura (GOV); Pleyte, Beth (Treasury); Dempkowski, Angela (Treasury)
Subject: RE: Meeting: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water

Harvey can do the 14th in person. He is unable to do the 16th due to already scheduled meetings in Detroit at those times.

Stacie

From: Cousineau, Sara (Treasury)
Sent: Thursday, April 09, 2015 3:31 PM
To: Stoken, Laura (GOV); Pleyte, Beth (Treasury); Dempkowski, Angela (Treasury); Clayton, Stacie (GOV)
Cc: Wisniewski, Wendy (GOV)
Subject: RE: Meeting: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water

Ashley can do the 15th.

From: Stoken, Laura (GOV)
Sent: Thursday, April 09, 2015 3:22 PM
To: Cousineau, Sara (Treasury); Pleyte, Beth (Treasury); Dempkowski, Angela (Treasury); Clayton, Stacie (GOV)
Cc: Wisniewski, Wendy (GOV)
Subject: Meeting: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water

Hi Team,

Per the below e-mail, I need to schedule a meeting for early next week to continue this discussion. Please let me know if your person is available on any of the following dates/times: Stacie, I can have EC dial HH to join the meeting.

Tuesday, April 14 anytime between 10-12
Thursday, April 15 from 8-9 or 2-3

Attendees:
EC/DM/HH
Wayne Workman
Tom Saxton
Ashley Gelisse

Please advise.

Thank you,

Laura Stoken on behalf of Wendy Wisniewski
Administrative Services

From: Gelisse, Ashley (TREASURY)
Sent: Thursday, April 09, 2015 2:58 PM
To: Workman, Wayne (TREASURY); Muchmore, Dennis (GOV)
Cc: Saxton, Thomas (Treasury); Clement, Elizabeth (GOV); Hollins, Harvey (GOV); Cousineau, Sara (Treasury); Pleyte, Beth (Treasury); Wisniewski, Wendy (GOV); Stoken, Laura (GOV)
Subject: RE: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water

Wayne and I discussed this further. I think it would be good if this group could meet early next week to have another discussion on Flint.

The purpose of the meeting would be to discuss and finalize Flint RTAB members, and also to discuss the potential ramifications of Rep. Kildee's recommendation that the state forgive Flint's $22M water loan: http://www.mlive.com/news/flint/index.ssf/2015/04/kildee_asks_feds_about_forgive.html

If you agree, perhaps Wendy (or Laura, in her absence) and Beth can help us find some time. Thanks much.

Ashley

From: Workman, Wayne (TREASURY)
Sent: Wednesday, April 08, 2015 6:40 PM
To: Muchmore, Dennis (GOV)
Cc: Saxton, Thomas (Treasury); Stanton, Terry A. (Treasury); Gelisse, Ashley (TREASURY); Clement, Elizabeth (GOV); Hollins, Harvey (GOV)
Subject: Re: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water

It is timely to figure that out, because what they is not affordable and they are ignoring the new improvements announced today.

Sent from my iPad

On Apr 8, 2015, at 5:27 PM, "Muchmore, Dennis (GOV)" <muchmored@michigan.gov> wrote:

> Why not, we haven't anything else to do except spend our time chasing our tail. This issue isn't going to go away until we do some serious comms work in the city.
>
> **From:** Workman, Wayne (TREASURY)
> **Sent:** Wednesday, April 08, 2015 5:13 PM
> **To:** Saxton, Thomas (Treasury); Stanton, Terry A. (Treasury); Gelisse, Ashley (TREASURY); Muchmore, Dennis (GOV); Clement, Elizabeth (GOV)
> **Subject:** Fwd: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water
>
> FYI
>
> Sent from my iPhone

Begin forwarded message:

From: "Koryzno, Edward (Treasury)" <KoryznoE@michigan.gov>
Date: April 8, 2015 at 4:35:47 PM EDT
To: "Workman, Wayne (TREASURY)" <WorkmanW@michigan.gov>, "Gelisse, Ashley (TREASURY)" <GelisseA@michigan.gov>
Subject: FW: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water

FYI

<image001.jpg>

Edward B. Koryzno, Jr. | Director - Bureau of Local Government Services
State of Michigan | 430 W. Allegan Street, 3rd Floor | Lansing, MI 48922
(517) 373-4415 | (517) 373-0633 (fax)
KoryznoE@michigan.gov

Think Green! Don't print this e-mail unless you need to.

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, is for the sole use of the intended recipient(s) and may contain information that is confidential and protected from disclosure under the law. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail, and delete/destroy all copies of the original message and attachments.
Thank you

From: Widigan, Robert (TREASURY)
Sent: Wednesday, April 08, 2015 4:12 PM
To: Koryzno, Edward (Treasury); Byrne, Randall (Treasury); Cline, Richard (Treasury); Vandegrift, Drew (TREASURY)
Subject: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water
Importance: Low

FYI – http://videos.mlive.com/mlive/2015/04/flint_pastors_warn_theyll_go_t.html

Robert Widigan | Office of Fiscal Responsibility
State of Michigan | Department of Treasury
430 W. Allegan Street | Lansing, MI 48922
Office (517) 335-2130 [redacted]
WidiganR@michigan.gov

From: Clayton, Stacie (GOV)
Sent: Wednesday, April 29, 2015 12:26 PM
To: Bedan, Morgan (GOV)
Cc: Hollins, Harvey (GOV)
Subject: Flint Briefing
Attachments: Flint Emergency Management and Water Briefing .docx

Hi Morgan,

Please let us know if you need anything else.

Stacie

To: Governor Snyder

From: Harvey Hollins

Date: 29 April 2015

Subject: Briefing on the City of Flint

I. Flint Emergency Management

Before 2011

[redacted]

EM Administrations and governing public acts:

○ Ed Kurtz	2002-2004	PA 72
○ Michael Brown	2011-2012	PA 4 (PA 4 was suspended in 2012)
○ Ed Kurtz	2012-2013	PA 72 – PA 436
○ Michael Brown	2013	PA 436
○ Darnell Early	2013-2014	PA 436
○ Gerald Ambrose	2015	PA 436

Emergency Management after 2011

[redacted]

[redacted]

Remaining Challenges:

[redacted]

- The transition to KWA and maintenance of the aging water distribution infrastructure are important challenges which require significant funding and continued leadership.

[redacted]

II. Flint Water

In November 2012 the Department of Treasury commissioned the firm of Tucker, Young, Jackson & Tull, Inc. (TYJT) to analyze options for the City of Flint to either remain a customer of the Detroit Water & Sewer Department (DWSD) or to join the Karegnondi Water Authority (KWA) in Genesee County. The purpose of this study was to provide objective analyses to the State Treasurer and Flint's Emergency Financial Manager (EFM) in order to secure future potable drinking water for the City.

In December 2012, staff from TYJT met with representatives from the Department of Treasury and the City of Flint to provide a preliminary report on their findings. At this meeting, options presented were: 1) Flint Water Plant will provide 100% water, 2) 100% provision of untreated Lake Huron Water by KWA, 3) 100% provision of treated drinking water by DWSD, or 4) provision of variable amounts of water from DWSD using a combination of blended DWSD water and Flint River water.

The Flint EFM eliminated all options except the 100% DWSD option or joining KWA, deciding later to join KWA.

On April 25, Flint officially ended nearly 50-years of using DWSD to supply water.

The city currently uses the Flint River until the Karegnondi Water Authority pipeline is built, which will bring untreated Lake Huron water to Genesee County. KWA should be operational by winter 2016.

The Flint River water is harder than DWSD. A number of residents are experiencing discoloration and order with the water. In addition there have been a number of citations largely around heightened levels of Total Trihalomethanes (TTHM).

Given water quality concerns, suggestions have been made that the City of Flint should return to using water purchased through the Detroit Water and Sewerage Department (DWSD). For many reasons, financial and otherwise, the City of Flint can ill-afford to switch courses at this point. The estimated cost to go back to the water provided by the DWSD is approximately $1 million per month and the City expects to be using the Karegnondi Water Authority (KWA) Lake Huron water within or before the 1st quarter of 2016.

The City of Flint is proceeding with a series of actions to ensure the continued safety of Flint drinking water is maintained and that issues of discoloration and odor continue to be addressed. Most notably, the installation of a Granulated Active Charcoal filter (GAC) at the Water Treatment Plant is expected to be authorized this week by Emergency Manager Jerry Ambrose.

The introduction of the GAC to the treatment process at Flint's plant will absorb or reduce the chemical precursors which will block or eliminate the formation of TTHM during the filtration process. Engineering and design are underway and installation of the GAC is targeted for completion by mid-July. Cost of this improvement is projected at $1.5 million and will be paid for by the proceeds from the state approved restructuring of the City's Drinking Water Revolving Fund loans.

In addition to the installation of the GAC, the City of Flint is undertaking a number of other improvements to the water system in the coming months, including a water leak detection monitoring, completion of the hydraulic model and subsequent targeted hydrant flushing program, and the replacement of two miles of water main pipe in a critical area of the city. All of these improvements scheduled to occur within the next six months.

From: Clayton, Stacie (GOV)
Sent: Wednesday, July 29, 2015 11:25 AM
To: Wendy Wisniewski (WisniewskiW@michigan.gov)
Subject: FW: Updated Memo on Water Coalition Questions - July 29

FYI…looks like they want to go to Flint next week or have the meeting in Lansing. Please let me know what Dennis says and I'll work on scheduling.

Stacie

From: Hollins, Harvey (GOV)
Sent: Wednesday, July 29, 2015 11:21 AM
To: Muchmore, Dennis (GOV)
Cc: Clayton, Stacie (GOV)
Subject: Re: Updated Memo on Water Coalition Questions - July 29

If your schedule permits, let's go to Flint to meet with them next week, or we can ask them to come back to Lansing. We should convey the response verbally and in person. If you're open to it, I'll ask Stacie to schedule that meeting next week.

Best,
Harvey

On Jul 29, 2015, at 9:03 AM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:

> Here's the answers to some of the questions. How do you want to approach the pastors and community leaders, we owe them answers to the questions they asked.
>
> ---
>
> **From:** Workman, Wayne (TREASURY)
> **Sent:** Wednesday, July 29, 2015 8:36 AM
> **To:** Muchmore, Dennis (GOV); Wurfel, Brad (DEQ); Lyon, Nick (DCH); Clement, Elizabeth (GOV)
> **Cc:** Saxton, Thomas (Treasury); Wisniewski, Wendy (GOV)
> **Subject:** FW: Updated Memo on Water Coalition Questions - July 29
> **Importance:** High
>
> All, Attached is a memo and water rate summary answering several of the questions raised by the Flint pastors. Please let me know if you have any questions. Wayne
>
> Wayne L. Workman
> Deputy State Treasurer
> Michigan Department of Treasury
>
> ---
>
> **From:** Cline, Richard (Treasury)
> **Sent:** Wednesday, July 29, 2015 8:21 AM
> **To:** Workman, Wayne (TREASURY)
> **Cc:** Dempkowski, Angela (Treasury); Byrne, Randall (Treasury)

Subject: Updated Memo on Water Coalition Questions - July 29
Importance: High

Wayne,

Attached is the water rate table you asked for and I have updated the memo to reference this as an attachment.

If you need anything else, please let me know.

Note that Rob, Randy and I will be in Benton Harbor for a portion of today conducting their annual RTAB evaluation.

Eric Cline | Department Manager
State of Michigan | Michigan Department of Treasury | Office of Fiscal Responsibility
430 W. Allegan Street, 3rd Floor | Lansing, MI 48922
Lansing Office (517) 335-2078 | [redacted] | Traverse City Office (231) 922-5228
E-mail clinerl@michigan.gov

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, is for the sole use of the intended recipient(s) and may contain information that is confidential and protected from disclosure under the law. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail, and delete/destroy all copies of the original message and attachments Thank you.

<Memo on Water Coalition Questions III.07-29-15.docx>

<Flint Water Rate History FINAL 02.11.15.pdf>

From: Clayton, Stacie (GOV)
Sent: Wednesday, July 29, 2015 11:42 AM
To: Wisniewski, Wendy (GOV)
Subject: RE: Updated Memo on Water Coalition Questions - July 29

Thank you. Can Dennis do Lansing on Tuesday, August 4, before 3pm? If not, I'll see if Harvey wants me to schedule him to do the meeting in Flint another day without Dennis.

Stacie

From: Wisniewski, Wendy (GOV)
Sent: Wednesday, July 29, 2015 11:35 AM
To: Clayton, Stacie (GOV)
Subject: RE: Updated Memo on Water Coalition Questions - July 29

I don't think Dennis can go to Flint without having to completely reschedule a day and he is out of the office August 10 and then August 12 – 25 so I really can't completely redo a day. There's no place to put things

---

From: Clayton, Stacie (GOV)
Sent: Wednesday, July 29, 2015 11:25 AM
To: Wisniewski, Wendy (GOV)
Subject: FW: Updated Memo on Water Coalition Questions - July 29

FYI…looks like they want to go to Flint next week or have the meeting in Lansing. Please let me know what Dennis says and I'll work on scheduling.

Stacie

From: Hollins, Harvey (GOV)
Sent: Wednesday, July 29, 2015 11:21 AM
To: Muchmore, Dennis (GOV)
Cc: Clayton, Stacie (GOV)
Subject: Re: Updated Memo on Water Coalition Questions - July 29

If your schedule permits, let's go to Flint to meet with them next week, or we can ask them to come back to Lansing. We should convey the response verbally and in person. If you're open to it, I'll ask Stacie to schedule that meeting next week.

Best,
Harvey

On Jul 29, 2015, at 9:03 AM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:

> Here's the answers to some of the questions. How do you want to approach the pastors and community leaders, we owe them answers to the questions they asked.

From: Workman, Wayne (TREASURY)
Sent: Wednesday, July 29, 2015 8:36 AM
To: Muchmore, Dennis (GOV); Wurfel, Brad (DEQ); Lyon, Nick (DCH); Clement, Elizabeth (GOV)
Cc: Saxton, Thomas (Treasury); Wisniewski, Wendy (GOV)
Subject: FW: Updated Memo on Water Coalition Questions - July 29
Importance: High

All, Attached is a memo and water rate summary answering several of the questions raised by the Flint pastors. Please let me know if you have any questions. Wayne

Wayne L. Workman
Deputy State Treasurer
Michigan Department of Treasury

From: Cline, Richard (Treasury)
Sent: Wednesday, July 29, 2015 8:21 AM
To: Workman, Wayne (TREASURY)
Cc: Dempkowski, Angela (Treasury); Byrne, Randall (Treasury)
Subject: Updated Memo on Water Coalition Questions - July 29
Importance: High

Wayne,

Attached is the water rate table you asked for and I have updated the memo to reference this as an attachment.

If you need anything else, please let me know.

Note that Rob, Randy and I will be in Benton Harbor for a portion of today conducting their annual RTAB evaluation.

Eric Cline | Department Manager
State of Michigan | Michigan Department of Treasury | Office of Fiscal Responsibility
430 W. Allegan Street, 3rd Floor | Lansing, MI 48922
Lansing Office (517) 335-2078 | [redacted] | Traverse City Office (231) 922-5228
E-mail cliner1@michigan.gov

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, is for the sole use of the intended recipient(s) and may contain information that is confidential and protected from disclosure under the law. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail, and delete/destroy all copies of the original message and attachments Thank you.

<Memo on Water Coalition Questions III.07-29-15.docx>

<Flint Water Rate History FINAL 02.11.15.pdf>

From: Clayton, Stacie (GOV)
Sent: Wednesday, July 29, 2015 11:46 AM
To: Wisniewski, Wendy (GOV)
Subject: RE: Updated Memo on Water Coalition Questions - July 29

Could we do 11:30am-1pm and include lunch? I'll take care of ordering, etc.

Stacie

From: Wisniewski, Wendy (GOV)
Sent: Wednesday, July 29, 2015 11:43 AM
To: Clayton, Stacie (GOV)
Subject: RE: Updated Memo on Water Coalition Questions - July 29

He could do an hour between 9:00 – 11:00 or he could miss lunch and do noon – 1:00

From: Clayton, Stacie (GOV)
Sent: Wednesday, July 29, 2015 11:42 AM
To: Wisniewski, Wendy (GOV)
Subject: RE: Updated Memo on Water Coalition Questions - July 29

Thank you. Can Dennis do Lansing on Tuesday, August 4, before 3pm? If not, I'll see if Harvey wants me to schedule him to do the meeting in Flint another day without Dennis.

Stacie

From: Wisniewski, Wendy (GOV)
Sent: Wednesday, July 29, 2015 11:35 AM
To: Clayton, Stacie (GOV)
Subject: RE: Updated Memo on Water Coalition Questions - July 29

I don't think Dennis can go to Flint without having to completely reschedule a day and he is out of the office August 10 and then August 12 – 25 so I really can't completely redo a day. There's no place to put things

---

From: Clayton, Stacie (GOV)
Sent: Wednesday, July 29, 2015 11:25 AM
To: Wisniewski, Wendy (GOV)
Subject: FW: Updated Memo on Water Coalition Questions - July 29

FYI…looks like they want to go to Flint next week or have the meeting in Lansing. Please let me know what Dennis says and I'll work on scheduling.

Stacie

From: Hollins, Harvey (GOV)
Sent: Wednesday, July 29, 2015 11:21 AM
To: Muchmore, Dennis (GOV)

Cc: Clayton, Stacie (GOV)
Subject: Re: Updated Memo on Water Coalition Questions - July 29

If your schedule permits, let's go to Flint to meet with them next week, or we can ask them to come back to Lansing. We should convey the response verbally and in person. If you're open to it, I'll ask Stacie to schedule that meeting next week.

Best,
Harvey

On Jul 29, 2015, at 9:03 AM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:

> Here's the answers to some of the questions. How do you want to approach the pastors and community leaders, we owe them answers to the questions they asked.
>
> ---
>
> **From:** Workman, Wayne (TREASURY)
> **Sent:** Wednesday, July 29, 2015 8:36 AM
> **To:** Muchmore, Dennis (GOV); Wurfel, Brad (DEQ); Lyon, Nick (DCH); Clement, Elizabeth (GOV)
> **Cc:** Saxton, Thomas (Treasury); Wisniewski, Wendy (GOV)
> **Subject:** FW: Updated Memo on Water Coalition Questions - July 29
> **Importance:** High
>
> All, Attached is a memo and water rate summary answering several of the questions raised by the Flint pastors. Please let me know if you have any questions. Wayne
>
> Wayne L. Workman
> Deputy State Treasurer
> Michigan Department of Treasury
>
> ---
>
> **From:** Cline, Richard (Treasury)
> **Sent:** Wednesday, July 29, 2015 8:21 AM
> **To:** Workman, Wayne (TREASURY)
> **Cc:** Dempkowski, Angela (Treasury); Byrne, Randall (Treasury)
> **Subject:** Updated Memo on Water Coalition Questions - July 29
> **Importance:** High
>
> Wayne,
>
> Attached is the water rate table you asked for and I have updated the memo to reference this as an attachment.
>
> If you need anything else, please let me know.
>
> Note that Rob, Randy and I will be in Benton Harbor for a portion of today conducting their annual RTAB evaluation.
>
> **Eric Cline** | Department Manager
> State of Michigan | Michigan Department of Treasury | Office of Fiscal Responsibility
> 430 W. Allegan Street, 3rd Floor | Lansing, MI 48922
> Lansing Office (517) 335-2078 | [redacted] | Traverse City Office (231) 922-5228
> E-mail clinerl@michigan.gov

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, is for the sole use of the intended recipient(s) and may contain information that is confidential and protected from disclosure under the law. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail, and delete/destroy all copies of the original message and attachments Thank you.

<Memo on Water Coalition Questions III.07-29-15.docx>

<Flint Water Rate History FINAL 02.11.15.pdf>

From: Clayton, Stacie (GOV)
Sent: Wednesday, July 29, 2015 1:47 PM
To: [redacted]
Subject: FW: Water Filter

Hi [redacted]

I hope you are doing well and enjoying your summer. Please let me know a convenient time for a phone call with you so we can discuss the water filters.

Thank you,
Stacie

Stacie Clayton, Assistant Director
Harvey Hollins III, Director
Governor's Office of Urban Initiatives
3044 West Grand Boulevard, Ste. 14-650
Detroit, MI 48202
313.456.4994 (office)
claytons3@michigan.gov

From: Hollins, Harvey (GOV)
Sent: Wednesday, July 29, 2015 1:43 PM
To: Clayton, Stacie (GOV)
Subject: Fwd: Water Filter

Best,
Harvey

Begin forwarded message:

> **From:** "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
> **Date:** July 27, 2015 at 8:42:42 AM EDT
> **To:** [redacted]
> **Cc:** [redacted], "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>
> **Subject: Re: Water Filter**
>
> [redacted]
> Thank you. We will work with [redacted] to identify the appropriate entity to receive the filters for Flint residents. In addition, we'll keep you out the public eye on this.
>
> Please know, however, how much we appreciate [redacted] and most importantly you for doing this.
>
> Best,
> Harvey

On Jul 27, 2015, at 7:44 AM, [redacted] wrote:

Harvey -

We are all set. [redacted] can serve as liaison on this one. The merchant team can source 1,500 filters. We will get them to the community at cost. My guess is this will be $20k or so, but the team will give you a final number.

Because we don't want to be a state vendor, we won't sell them to you. [redacted] will work out logistics of whether we make a donation of gift cards to the state that you use to purchase them, or whether there is some other entity to which we can give them.

Given all the circumstances, we are not interested in any publicity. We want it to be clear that the state is providing these, not [redacted]

Thanks for reaching out.

[redacted]

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Thursday, July 23, 2015 12:20 PM

To: [redacted]

Subject: RE: Water Filter

Thank you.

-----Original Message-----

From: [redacted]

Sent: Thursday, July 23, 2015 10:57 AM

To: Hollins, Harvey (GOV)

Cc: [redacted]

Subject: RE: Water Filter

Will get back soon.

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Wednesday, July 22, 2015 12:17 PM

To: [redacted]

Subject: Water Filter

[redacted]

Per our last conversation, I expressed that we were interested acquiring and distributing 1500 water filters to Flint residents to assist with the quality (perceived or real) of their drinking water until the KWA pipeline comes online.

A few weeks ago, you asked me to send you the product ID number so you could check with your suppliers regarding price. I apologize for taking long to send you product ID; a number of conversations needed to occur in Flint before we could proceed.

The product ID for a Brita Filter for kitchen faucets is:

Product ID 3176421

UPC 7-23987-0078

Thank you for taking the time to look into this.

Best,

Harvey Hollins III, Director

Governor's Office of Urban Initiatives

313.456.4994<tel:313.456.4994> (office)

[redacted]

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

From: Clayton, Stacie (GOV)
Sent: Wednesday, July 29, 2015 2:01 PM
To: Hollins, Harvey (GOV)
Subject: FW: Water Filter

Importance: High

Where do I tell them to ship? Is there someone in Flint I need to contact?

Stacie

From: [redacted]
Sent: Wednesday, July 29, 2015 1:56 PM
To: Clayton, Stacie (GOV)
Cc: [redacted]
Subject: Re: Water Filter

We are actually good to go and ready to ship vice copied [redacted], the VP over the area and my assistant.

Just let us know the "ship to" and we are on our way.

On Jul 29, 2015, at 1:47 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:

> Hi [redacted]
>
> I hope you are doing well and enjoying your summer. Please let me know a convenient time for a phone call with you so we can discuss the water filters.
>
> Thank you,
> Stacie
>
> ***Stacie Clayton, Assistant Director***
> Harvey Hollins III, Director
> Governor's Office of Urban Initiatives
> 3044 West Grand Boulevard, Ste. 14-650
> Detroit, MI 48202
> 313.456.4994 (office)
> claytons3@michigan.gov
>
> ---
>
> **From:** Hollins, Harvey (GOV)
> **Sent:** Wednesday, July 29, 2015 1:43 PM
> **To:** Clayton, Stacie (GOV)
> **Subject:** Fwd: Water Filter

Best,

Harvey

Begin forwarded message:

From: "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
Date: July 27, 2015 at 8:42:42 AM EDT
To: [redacted]
Cc: [redacted] "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>
Subject: Re: Water Filter

[redacted]

Thank you. We will work with [redacted] to identify the appropriate entity to receive the filters for Flint residents. In addition, we'll keep you out the public eye on this.

Please know, however, how much we appreciate [redacted] and most importantly you for doing this.

Best,
Harvey

On Jul 27, 2015, at 7:44 AM, [redacted] wrote:

Harvey -

We are all set. [redacted] can serve as liaison on this one. The merchant team can source 1,500 filters. We will get them to the community at cost. My guess is this will be $20k or so, but the team will give you a final number.

Because we don't want to be a state vendor, we won't sell them to you. [redacted] will work out logistics of whether we make a donation of gift cards to the state that you use to purchase them, or whether there is some other entity to which we can give them.

Given all the circumstances, we are not interested in any publicity. We want it to be clear that the state is providing these, not [redacted]

Thanks for reaching out.

[redacted]

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Thursday, July 23, 2015 12:20 PM

To: [redacted]

Subject: RE: Water Filter

Thank you.

-----Original Message-----

From: [redacted]

Sent: Thursday, July 23, 2015 10:57 AM

To: Hollins, Harvey (GOV)

Cc: [redacted]

Subject: RE: Water Filter

Will get back soon.

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Wednesday, July 22, 2015 12:17 PM

To: [redacted]

Subject: Water Filter

[redacted]

Per our last conversation, I expressed that we were interested acquiring and distributing 1500 water filters to Flint residents to assist with the quality (perceived or real) of their drinking water until the KWA pipeline comes online.

A few weeks ago, you asked me to send you the product ID number so you could check with your suppliers regarding price. I apologize for taking long to send you product ID; a number of conversations needed to occur in Flint before we could proceed.

The product ID for a Brita Filter for kitchen faucets is:

Product ID 3176421

UPC 7-23987-0078

Thank you for taking the time to look into this.

Best,

Harvey Hollins III, Director

Governor's Office of Urban Initiatives

313.456.4994<tel:313.456.4994> (office)

[redacted]

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

From: Clayton, Stacie (GOV)
Sent: Wednesday, July 29, 2015 5:24 PM
To: [redacted]
Cc: [redacted] Hollins, Harvey (GOV)
Subject: RE: Water Filter

Thank you, [redacted] for the quick response. Harvey does have an additional question. Is the plan for the state to purchase the filters or is [redacted] donating them? The former is fine and the latter is great. If we purchase them we have to determine the process. If they are donated, I will identify the location in Flint where they will be shipped.

Stacie

From: [redacted]
Sent: Wednesday, July 29, 2015 1:56 PM
To: Clayton, Stacie (GOV)
Cc: [redacted]
Subject: Re: Water Filter

We are actually good to go and ready to ship vice copied [redacted], the VP over the area and my assistant.

Just let us know the "ship to" and we are on our way.

On Jul 29, 2015, at 1:47 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:

> Hi [redacted]
>
> I hope you are doing well and enjoying your summer. Please let me know a convenient time for a phone call with you so we can discuss the water filters.
>
> Thank you,
> Stacie
>
> ***Stacie Clayton, Assistant Director***
> Harvey Hollins III, Director
> Governor's Office of Urban Initiatives
> 3044 West Grand Boulevard, Ste. 14-650
> Detroit, MI 48202
> 313.456.4994 (office)
> claytons3@michigan.gov
>
> ---
>
> **From:** Hollins, Harvey (GOV)
> **Sent:** Wednesday, July 29, 2015 1:43 PM
> **To:** Clayton, Stacie (GOV)
> **Subject:** Fwd: Water Filter

Best,
Harvey

Begin forwarded message:

From: "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
Date: July 27, 2015 at 8:42:42 AM EDT
To: [redacted]
Cc: [redacted] "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>
Subject: Re: Water Filter

[redacted]

Thank you. We will work with [redacted] to identify the appropriate entity to receive the filters for Flint residents. In addition, we'll keep you out the public eye on this.

Please know, however, how much we appreciate [redacted] and most importantly you for doing this.

Best,
Harvey

On Jul 27, 2015, at 7:44 AM, [redacted] wrote:

Harvey -

We are all set. [redacted] can serve as liaison on this one. The merchant team can source 1,500 filters. We will get them to the community at cost. My guess is this will be $20k or so, but the team will give you a final number.

Because we don't want to be a state vendor, we won't sell them to you. [redacted] will work out logistics of whether we make a donation of gift cards to the state that you use to purchase them, or whether there is some other entity to which we can give them.

Given all the circumstances, we are not interested in any publicity. We want it to be clear that the state is providing these, not [redacted]

Thanks for reaching out.

[redacted]

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Thursday, July 23, 2015 12:20 PM

To: [redacted]

Subject: RE: Water Filter

Thank you.

-----Original Message-----

From: [redacted]

Sent: Thursday, July 23, 2015 10:57 AM

To: Hollins, Harvey (GOV)

Cc: [redacted]

Subject: RE: Water Filter

Will get back soon.

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Wednesday, July 22, 2015 12:17 PM

To: [redacted]

Subject: Water Filter

[redacted]

Per our last conversation, I expressed that we were interested acquiring and distributing 1500 water filters to Flint residents to assist with the quality (perceived or real) of their drinking water until the KWA pipeline comes online.

A few weeks ago, you asked me to send you the product ID number so you could check with your suppliers regarding price. I apologize for taking long to send you product ID; a number of conversations needed to occur in Flint before we could proceed.

The product ID for a Brita Filter for kitchen faucets is:

Product ID 3176421

UPC 7-23987-0078

Thank you for taking the time to look into this.

Best,

Harvey Hollins III, Director

Governor's Office of Urban Initiatives

313.456.4994<tel:313.456.4994> (office)

[redacted]

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

From: Clayton, Stacie (GOV)
Sent: Wednesday, July 29, 2015 5:32 PM
To: [redacted]
Cc: [redacted] Hollins, Harvey (GOV)
Subject: RE: Water Filter

Excellent! I will have the shipping address for you tomorrow. Have a great evening.

Stacie

From: [redacted]
Sent: Wednesday, July 29, 2015 5:28 PM
To: Clayton, Stacie (GOV)
Cc: [redacted] Hollins, Harvey (GOV)
Subject: Re: Water Filter

They are actually being donated.

On Jul 29, 2015, at 5:23 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:

> Thank you, [redacted] for the quick response. Harvey does have an additional question. Is the plan for the state to purchase the filters or is [redacted] donating them? The former is fine and the latter is great. If we purchase them we have to determine the process. If they are donated, I will identify the location in Flint where they will be shipped.
>
> Stacie
>
> ---
>
> **From:** [redacted]
> **Sent:** Wednesday, July 29, 2015 1:56 PM
> **To:** Clayton, Stacie (GOV)
> **Cc:** [redacted]
> **Subject:** Re: Water Filter
>
> We are actually good to go and ready to ship vice copied [redacted], the VP over the area and my assistant.
>
> Just let us know the "ship to" and we are on our way.
>
> On Jul 29, 2015, at 1:47 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:
>
> > Hi [redacted],

I hope you are doing well and enjoying your summer. Please let me know a convenient time for a phone call with you so we can discuss the water filters.

Thank you,
Stacie

Stacie Clayton, Assistant Director
Harvey Hollins III, Director
Governor's Office of Urban Initiatives
3044 West Grand Boulevard, Ste. 14-650
Detroit, MI 48202
313.456.4994 (office)
claytons3@michigan.gov

From: Hollins, Harvey (GOV)
Sent: Wednesday, July 29, 2015 1:43 PM
To: Clayton, Stacie (GOV)
Subject: Fwd: Water Filter

Best,
Harvey

Begin forwarded message:

> **From:** "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
> **Date:** July 27, 2015 at 8:42:42 AM EDT
> **To:** [redacted]
> **Cc:** [redacted] "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>
> **Subject: Re: Water Filter**
>
> [redacted]
>
> Thank you. We will work with [redacted] to identify the appropriate entity to receive the filters for Flint residents. In addition, we'll keep you out the public eye on this.
>
> Please know, however, how much we appreciate [redacted] and most importantly you for doing this.
>
> Best,
> Harvey
>
> On Jul 27, 2015, at 7:44 AM, [redacted] wrote:

Harvey -

We are all set. [redacted] can serve as liaison on this one. The merchant team can source 1,500 filters. We will get them to the community at cost. My guess is this will be $20k or so, but the team will give you a final number.

Because we don't want to be a state vendor, we won't sell them to you. [redacted] will work out logistics of whether we make a donation of gift cards to the state that you use to purchase them, or whether there is some other entity to which we can give them.

Given all the circumstances, we are not interested in any publicity. We want it to be clear that the state is providing these, not [redacted]

Thanks for reaching out.

[redacted]

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Thursday, July 23, 2015 12:20 PM

To: [redacted]

Subject: RE: Water Filter

Thank you.

-----Original Message-----

From: [redacted]

Sent: Thursday, July 23, 2015 10:57 AM

To: Hollins, Harvey (GOV)

Cc: [redacted]

Subject: RE: Water Filter

Will get back soon.

-----Original Message-----

From: Hollins, Harvey (GOV)
[mailto:hollinsh@michigan.gov]

Sent: Wednesday, July 22, 2015 12:17 PM

To: [redacted]

Subject: Water Filter

[redacted]

Per our last conversation, I expressed that we were interested acquiring and distributing 1500 water filters to Flint residents to assist with the quality (perceived or real) of their drinking water until the KWA pipeline comes online.

A few weeks ago, you asked me to send you the product ID number so you could check with your suppliers regarding price. I apologize for taking long to send you product ID; a number of conversations needed to occur in Flint before we could proceed.

The product ID for a Brita Filter for kitchen faucets is:

Product ID 3176421

UPC 7-23987-0078

Thank you for taking the time to look into this.

Best,

Harvey Hollins III, Director

Governor's Office of Urban Initiatives

313.456.4994<tel:313.456.4994> (office)

[redacted]

NOTE: This electronic message and any files transmitted with it are confidential and intended

solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

From: Clayton, Stacie (GOV)
Sent: Thursday, July 30, 2015 3:04 PM
To: [redacted]
Cc: [redacted] Hollins, Harvey (GOV)
Subject: RE: Water Filter

[redacted]

Thank you, again. Below is the address for delivery of the water filters. Is it possible for me to receive a notice when they are shipped and a tracking number? That way I can ensure someone is at the church the day of delivery.

Deliver to:

Pastor Allen Overton
Mt. Carmel Baptist Church
1610 West Pierson Road
Flint, MI 48504
810.397.0219

Please let me know if you need anything else from me.

Stacie
313.456.4994 (office)
claytons3@michigan.gov

From: Hollins, Harvey (GOV)
Sent: Wednesday, July 29, 2015 6:58 PM
To: [redacted]
Cc: Clayton, Stacie (GOV); [redacted]
Subject: Re: Water Filter

We cannot express how much we appreciate this. Thank you!!

Best,
Harvey

On Jul 29, 2015, at 5:27 PM, [redacted] wrote:

> They are actually being donated.
>
> On Jul 29, 2015, at 5:23 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:
>
> > Thank you, [redacted] for the quick response. Harvey does have an additional question. Is the plan for the state to purchase the filters or is [redacted] donating them? The former is fine and the latter is great. If

we purchase them we have to determine the process. If they are donated, I will identify the location in Flint where they will be shipped.

Stacie

From: [redacted]
Sent: Wednesday, July 29, 2015 1:56 PM
To: Clayton, Stacie (GOV)
Cc: [redacted]
Subject: Re: Water Filter

We are actually good to go and ready to ship vice copied [redacted], the VP over the area and my assistant.

Just let us know the "ship to" and we are on our way.

On Jul 29, 2015, at 1:47 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:

> Hi [redacted]
>
> I hope you are doing well and enjoying your summer. Please let me know a convenient time for a phone call with you so we can discuss the water filters.
>
> Thank you,
> Stacie
>
> ***Stacie Clayton, Assistant Director***
> Harvey Hollins III, Director
> Governor's Office of Urban Initiatives
> 3044 West Grand Boulevard, Ste. 14-650
> Detroit, MI 48202
> 313.456.4994 (office)
> claytons3@michigan.gov
>
> ---
>
> **From:** Hollins, Harvey (GOV)
> **Sent:** Wednesday, July 29, 2015 1:43 PM
> **To:** Clayton, Stacie (GOV)
> **Subject:** Fwd: Water Filter
>
> Best,
> Harvey
>
> Begin forwarded message:
>
> > **From:** "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>

Date: July 27, 2015 at 8:42:42 AM EDT
To: [redacted]
Cc: [redacted]
"Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>
Subject: Re: Water Filter

[redacted]
Thank you. We will work with [redacted] to identify the appropriate entity to receive the filters for Flint residents. In addition, we'll keep you out the public eye on this.

Please know, however, how much we appreciate [redacted] and most importantly you for doing this.

Best,
Harvey

On Jul 27, 2015, at 7:44 AM, [redacted] wrote:

Harvey -

We are all set. [redacted] can serve as liaison on this one. The merchant team can source 1,500 filters. We will get them to the community at cost. My guess is this will be $20k or so, but the team will give you a final number.

Because we don't want to be a state vendor, we won't sell them to you. [redacted] will work out logistics of whether we make a donation of gift cards to the state that you use to purchase them, or whether there is some other entity to which we can give them.

Given all the circumstances, we are not interested in any publicity. We want it to be clear that the state is providing these, not [redacted]

Thanks for reaching out.

[redacted]

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Thursday, July 23, 2015 12:20 PM

To: [redacted]

Subject: RE: Water Filter

Thank you.

-----Original Message-----

From: [redacted]

Sent: Thursday, July 23, 2015 10:57 AM

To: Hollins, Harvey (GOV)

Cc: [redacted]

Subject: RE: Water Filter

Will get back soon.

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Wednesday, July 22, 2015 12:17 PM

To: [redacted]

Subject: Water Filter

[redacted]

Per our last conversation, I expressed that we were interested acquiring and distributing 1500 water filters to Flint residents to assist with the quality (perceived or real) of their drinking water until the KWA pipeline comes online.

A few weeks ago, you asked me to send you the product ID number so you could check with your suppliers regarding price. I apologize for taking long to send you product ID; a number of conversations needed to occur in Flint before we could proceed.

The product ID for a Brita Filter for kitchen faucets is:

Product ID 3176421

UPC 7-23987-0078

Thank you for taking the time to look into this.

Best,

Harvey Hollins III, Director

Governor's Office of Urban Initiatives

313.456.4994<tel:313.456.4994> (office)

[redacted]

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use,

disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

From: Clayton, Stacie (GOV)
Sent: Thursday, July 30, 2015 5:11 PM
To: [redacted]
Subject: RE: Water Filter

Thank you!

Stacie Clayton, Assistant Director
Harvey Hollins III, Director
Governor's Office of Urban Initiatives
3044 West Grand Boulevard, Ste. 14-650
Detroit, MI 48202
313.456.4994 (office)
claytons3@michigan.gov

From: [redacted]
Sent: Thursday, July 30, 2015 5:03 PM
To: Clayton, Stacie (GOV)
Cc: [redacted] Hollins, Harvey (GOV)
Subject: Re: Water Filter

I will pass on to [redacted] and copy all.

Thanks,

[redacted]

On Jul 30, 2015, at 3:04 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:

[redacted]

Thank you, again. Below is the address for delivery of the water filters. Is it possible for me to receive a notice when they are shipped and a tracking number? That way I can ensure someone is at the church the day of delivery.

Deliver to:

Pastor Allen Overton
Mt. Carmel Baptist Church
1610 West Pierson Road
Flint, MI 48504
810.397.0219

Please let me know if you need anything else from me.

Stacie
313.456.4994 (office)
claytons3@michigan.gov

From: Hollins, Harvey (GOV)
Sent: Wednesday, July 29, 2015 6:58 PM
To: [redacted]
Cc: Clayton, Stacie (GOV); [redacted]
Subject: Re: Water Filter

We cannot express how much we appreciate this. Thank you!!

Best,
Harvey

On Jul 29, 2015, at 5:27 PM, [redacted] wrote:

> They are actually being donated.
>
> On Jul 29, 2015, at 5:23 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:
>
> > Thank you, [redacted] for the quick response. Harvey does have an additional question. Is the plan for the state to purchase the filters or is [redacted] donating them? The former is fine and the latter is great. If we purchase them we have to determine the process. If they are donated, I will identify the location in Flint where they will be shipped.
> >
> > Stacie
> >
> > **From:** [redacted]
> > **Sent:** Wednesday, July 29, 2015 1:56 PM
> > **To:** Clayton, Stacie (GOV)
> > **Cc:** [redacted]
> > **Subject:** Re: Water Filter
> >
> > We are actually good to go and ready to ship vice copied [redacted] the VP over the area and my assistant.
> >
> > Just let us know the "ship to" and we are on our way.
> >
> > On Jul 29, 2015, at 1:47 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:
> >
> > > Hi [redacted]
> > >
> > > I hope you are doing well and enjoying your summer. Please let me know a convenient time

for a phone call with you so we can discuss the water filters.

Thank you,
Stacie

Stacie Clayton, Assistant Director
Harvey Hollins III, Director
Governor's Office of Urban Initiatives
3044 West Grand Boulevard, Ste. 14-650
Detroit, MI 48202
313.456.4994 (office)
claytons3@michigan.gov

From: Hollins, Harvey (GOV)
Sent: Wednesday, July 29, 2015 1:43 PM
To: Clayton, Stacie (GOV)
Subject: Fwd: Water Filter

Best,
Harvey

Begin forwarded message:

> **From:** "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
> **Date:** July 27, 2015 at 8:42:42 AM EDT
> **To:** [redacted]
> **Cc:** [redacted]
> "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Clement, Elizabeth (GOV)" <clementE@michigan.gov>
> **Subject: Re: Water Filter**
>
> [redacted]
> Thank you. We will work with [redacted] to identify the appropriate entity to receive the filters for Flint residents. In addition, we'll keep you out the public eye on this.
>
> Please know, however, how much we appreciate [redacted] and most importantly you for doing this.
>
> Best,

Harvey

On Jul 27, 2015, at 7:44 AM, [redacted] wrote:

Harvey -

We are all set. [redacted] can serve as liaison on this one. The merchant team can source 1,500 filters. We will get them to the community at cost. My guess is this will be $20k or so, but the team will give you a final number.

Because we don't want to be a state vendor, we won't sell them to you. [redacted] will work out logistics of whether we make a donation of gift cards to the state that you use to purchase them, or whether there is some other entity to which we can give them.

Given all the circumstances, we are not interested in any publicity. We want it to be clear that the

state is providing these, not [redacted]

Thanks for reaching out.

[redacted]

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Thursday, July 23, 2015 12:20 PM

To: [redacted]

Subject: RE: Water Filter

Thank you.

-----Original Message-----

From: [redacted]

Sent: Thursday, July 23, 2015 10:57 AM

To: Hollins, Harvey (GOV)

Cc: [redacted]

Subject: RE: Water Filter

Will get back soon.

-----Original Message-----

From: Hollins, Harvey (GOV)

[mailto:hollinsh@michigan.gov]

Sent: Wednesday, July 22, 2015 12:17 PM

To: [redacted]

Subject: Water Filter

[redacted]

Per our last conversation, I expressed that we were interested acquiring and distributing 1500 water filters to Flint residents to assist with the quality (perceived or real) of their drinking water until the KWA pipeline comes online.

A few weeks ago, you asked me to send you the product ID number so you could check with your suppliers regarding price. I apologize for taking long to send you product ID; a number of conversations needed to occur in Flint before we could proceed.

The product ID for a Brita Filter for kitchen faucets is:

Product ID 3176421

UPC 7-23987-0078

Thank you for taking the time to look into this.

Best,

Harvey Hollins III, Director

Governor's Office of Urban Initiatives

313.456.4994<tel:313 456 4994> (office)

[redacted]

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

From: Clayton, Stacie (GOV)
Sent: Thursday, September 24, 2015 12:33 PM
To: Wisniewski, Wendy (GOV)
Cc: Hollins, Harvey (GOV)
Subject: Important call today

Hi Wendy,

I just tried your desk phone. I'm on vacation today. Will you please assist Harvey in setting up a conf call for this afternoon regarding Flint water? This is time-sensitive.

The call should include Muchmore, Clement, Baird, Wyant, Lyon, Saxton, and D. Murray.

Please let me know. Thank you.

Stacie Clayton
Sent from my iPhone

Subject:	DM/EC/JA/RB/JW/JR/HH/SW/DM/DW/NL/GL/DP or DA or ML re Flint next steps
Location:	Governor's Conference Room - 2nd Floor Romney (call in number below)
Start:	Wed 10/14/2015 11:30 AM
End:	Wed 10/14/2015 12:00 PM
Recurrence:	(none)
Meeting Status:	Accepted
Organizer:	Agen, Jarrod (GOV)
Required Attendees:	Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Baird, Richard (GOV); Walsh, John (GOV); Redford, James (GOV); Hollins, Harvey (GOV); Wurfel, Sara (GOV); Murray, David (GOV); Wyant, Dan (DEQ); Lyon, Nick (DHHS); Lasher, Geralyn (DHHS); Posthumus, Dick (GOV); Ackerman, Darin (GOV); Lange, Michelle (GOV); Rospond, Laurie (GOV); Thomet, Ruth (GOV); Thelen, Mary Beth (DEQ); Grijalva, Nancy (DHHS); Hall, Jean (GOV); VanSickle, Michele (GOV); Clayton, Stacie (GOV)
Optional Attendees:	Wells, Eden (DHHS)

MDHHS Action Plan Flint EBL DO...

[redacted] (Jarrod to host)

Michigan Department of Community Health (MDHHS) Flint Water Action Plan

Action	Local Lead	MDHHS Lead	Tasks
Filter/Water Distribution	Tamara Brickley (Genesee County Health Department-GCHD)	Sheryl Thompson, MDHHS	- Coordination of distribution (GCHD) - Identify at-risk sub-groups (GCHD) - Tracking filters- uniform registry held by GCHD - Ordering filter replacements (MDHHS)
Blood Testing	Tony LaRocco (GCHD) Possible partners: - Hurley - Great Flint Health Coalition - MIHP - LHD - Schools	Dr. Eden Wells/ Nancy Peeler (CLPPP)	- Test all o Students 0-16 o Priorities: ▪ 3 schools ▪ 2 zip codes ▪ ages 0-15 - Convene meeting with GCHD and all potential partners (MDHHS) o Partner with schools- information about testing sites options distributed through school districts to parents o Partner with Great Flint Health Coalition-network to develop testing sites and information about testing to healthcare providers o Partner with Hurley/McClaren/Genesys o Partner with MIHP/Home Visiting Program - Confirm that the state lab has capacity to handle increase in tests- CONFRIMED
Case Management Follow Up	Tony LaRocco (GCHD)	Eden Wells/ Nancy Peeler (CLPPP)	- Identification of all current positives- confirmatory testing for > 5 mcg/dl (as of April 2014) - Maintain registry of all tests performed (-/+) - Follow-up all cases >5 mcg/dl with the CLPP Case Management protocol
Elevated Blood Level Investigations(all > 5 mcg/dl)	Dawn Hallwood (GCHD)	Linda Dykema	- Secure financial resources necessary to support environmental health response - Follow-up CLPPP to see if immediate funds available - Recommendation to contract with Lead Investigation company thru SEMHA-

			licensed investigators
Communications	Hilda McShane (GCHD)	Geralyn Lasher	- Daily MDHHS and GCHD phone calls (3PM) - Provide provider education- links sent for Governor's site to GCHD 10/12 - Provide public education - Provide risk education - Provide links with lead prevention information to Flint

Subject: RDS/DM/JA/EC/DW/NL/HH/MAnderson - Flint After Action Meeting
Location: Governor's Office, Romney

Start: Wed 10/21/2015 9:00 AM
End: Wed 10/21/2015 10:00 AM

Recurrence: (none)

Meeting Status: Accepted

Organizer: GovCalendar
Required Attendees: VanSickle, Michele (GOV); Baird, Richard (GOV); Wisniewski, Wendy (GOV); Clement, Elizabeth (GOV); Muchmore, Dennis (GOV); Agen, Jarrod (GOV); Wyant, Dan (DEQ); Thelen, Mary Beth (DEQ); Lyon, Nick (DHHS); Grijalva, Nancy (DHHS); Clayton, Stacie (GOV); Hollins, Harvey (GOV); Anderson, Madhu (DEQ)

Ken Sikkema, Chris Kolb, Eric Rothstein, Dr. Matt Davis, Dr. Lawrence Reynolds (by phone)

[redacted] – RH to host

Agenda:

1) Introductions
2) Mission of Task Force
3) Background Info
4) Discussion of Timeline
5) Q & A from Task Force Members
6) Communications Strategy/Review Press Release

Attachments:

1. JA Memo
2. Resumes
3. Press Release

*****Staff*****
Chris Kolb chris@environmentalcouncil.org
Eric Rothstein erothste@grg-ltd.com
Ken Sikkema ksikkema@pscinc.com
Matt Davis mattdav@med.umich.edu

RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
EXECUTIVE OFFICE
LANSING

BRIAN CALLEY
LT. GOVERNOR

Contacts: Sara Wurfel or Dave Murray 517-335-6397	**FOR IMMEDIATE RELEASE** Wednesday, Oct. 21, 2015

Gov. Rick Snyder announces formation of Flint Water After Action Report Commission

Experts will provide ongoing monitoring of city water system

LANSING, Mich. – Gov. Rick Snyder today announced a new task force to review the state's actions regarding water usage and testing in Flint. The commission will conduct a thorough review and lay out recommendations on future guidelines for water testing. It will also monitor the transition of Flint's city water system back to the Great Lakes Water Authority, and its eventual transition to the Karegnondi Water Authority pipeline.

The commission will be co-chaired by Ken Sikkema of Public Sector Consultants and Chris Kolb, of the Michigan Environmental Council. Also serving will be Dr. Matthew Davis of the University of Michigan Health System, and Eric Rothstein, of the Galardi Rothstein Group.

"As stated previously, transitioning back to the Great Lakes Water Authority is a good first step to protecting public health in Flint, but it's not the last step," Snyder said. "Bringing in outside experts to evaluate our actions and help monitor and advise on technical issues will be key to continuing work on the comprehensive action plan and ensuring safe drinking water for all the citizens of Flint."

Ken Sikkema is a senior policy fellow at Public Sector Consultants, where he specializes in public finance, environment, and energy policy. Prior to joining the firm, Sikkema served in both the Michigan House and Senate, culminating with four years as Senate Majority Leader. He has also served as both an adjunct and visiting professor at Grand Valley State University.

Chris Kolb is president of the Michigan Environmental Council, a statewide coalition of 70 environmental, public health and faith-based nonprofit groups. Before joining the MEC, Kolb represented Ann Arbor in the state House for six years and served eight years on the Ann Arbor City Council. He has been president of the MEC for eight years.

Matthew Davis, M.D., M.A.P.P., is Professor of Pediatrics and Internal Medicine at the University of Michigan Health System and Professor of Public Policy at the Gerald R. Ford School at the University of Michigan, having joined the faculty in 2000. He is the founding Director of the C.S. Mott Children's Hospital National Poll on Children's Health and the National Voices Project. Dr. Davis also previously served as the Chief Medical Executive of the Michigan Department of Community Health/Department of Health and Human Services.

Eric Rothstein is a national water issues consultant and principal at the Galardi Rothstein Group. He served as an independent advisor on the creation of the Great Lakes Water Authority. Rothstein also has served as Jefferson County, Alabama's rate consultant and municipal advisor for litigation related to the county's bankruptcy and issuance of $1.7 billion in sewer warrants and led strategic financial planning for the City of Atlanta's Department of Watershed Management. He has more than 30 years of experience in water, wastewater and stormwater utility finance and rate-making assessments.

As Gov. Snyder previously stated, reconnecting with the authority will not completely resolve the city's problem with lead service lines or aging infrastructure. It will take time for pipes in Flint to become coated with the phosphate corrosion control.

To best protect public health, state and local authorities will continue to carry out steps outlined on Oct. 2 in a comprehensive action plan, including continued testing, the use of faucet filters and providing residents with accurate information about steps to eliminate lead exposure. The Michigan Departments of Environmental Quality is continuing to provide free water filters, free lead testing through the state laboratory for Flint water customers, and hiring additional staff to conduct health exposure monitoring for lead in drinking water.

####

Chris Kolb

[redacted]

EDUCATION:

The University of Michigan, Ann Arbor, Michigan
Bachelor of Science in Natural Resources, GPA 3.55
Dean's List, Honors Society

Emory University, Atlanta, Georgia
Graduate studies in Political Science focusing on Quantitative Analysis, and Interest Group Politics; Scholarship, Grant, and Fellowship Recipient. Accepted into advanced studies for PhD.

EXPERIENCE:

Executive Director, Current
Unity Michigan, Ann Arbor, Michigan

Responsible for the organization and implementation of the new statewide campaign to create a progressive Michigan by advancing lesbian, gay, bisexual, and transgender (LGBT) and social justice values and issues. Coordinate and implement the collaborative efforts of five leading LGBT and equality organizations; ACLU of Michigan, Affirmations, Michigan Equality, SPICE, and Triangle Foundation. Lead the campaign's research and subsequent activities in Michigan. Successfully developed and implemented a primary election strategy in legislative races. Engage in successful communications with the LGBT community, the campaign's supporters and partners, and supportive national groups. Coordinate a broad, effective campaign with consultants, including coalition building, list building, voter contact and get-out-the-vote activities. Represent the organization at meetings and events with the public and press.

Vice President for Public Affairs, 2007-2008
Early Childhood Investment Corporation, Lansing Michigan

Directed all public affairs activities in a statewide effort to improve the status of Michigan's children, aged zero to five. Developed and implemented public policy at the federal, state and local levels working with key decision-makers, staff and public. Educated and informed elected officials on the importance of investing in early childhood. Secured increased funding over $11 million, including $5.75 million for ECIC. Helped to develop Governor's $30 million early childhood initiative outlined in Fiscal 2009 budget. Successfully planned 2008 Star Power Rally at the Capitol for over 500 early childhood supporters. Coordinated activities of the Michigan Legislative Children's Caucus; worked directly with state departments involved in early childhood development including Community Health, Education, Human Services, and Labor and Economic Growth; provided speakers and testimony to legislative hearings to inform and educate Legislature; reviewed and monitored all legislation impacting early childhood development; provided training to local Great Start Collaboratives to work with their local, state, and federal decision-makers; coordinated development of an early childhood public policy agenda; and, worked to increase knowledge of Legislature and public on importance of early childhood development, advance public education, and increase public and private investment in Michigan's children.

State Representative, 2001-2006
53rd State House District, Lansing, Michigan

Three-term State Representative, appointed for two terms (2003-2006) to the House Appropriations Committee served as the Ranking Democrat on four appropriations

subcommittees: Economic Development, Department of Environmental Quality, Higher Education, and the Department of Human Services, and served on the Corrections subcommittee (2003-4). In second term, was appointed by Governor Granholm to serve on the Michigan Land Use Leadership Council to develop a report and recommendations for the Governor and Legislature on land use issues. Appointed Ranking Democrat on the House Committee on Land Use and Environment (2001-2002), and served on the House Commerce Committee (2001-2002). Authored numerous legislation enacted into law, including legislation creating joint planning commissions, Land Bank Fast Track authorities, open space ordinance requirement for local governments, lead poisoning prevention for children, regulation of polybrominated biphenyl ethers (PBDEs), renewal of the baseline environmental assessment fee, establishment of the refined petroleum product cleanup program to help clean up leaking underground storage tanks, welfare reform and a bill to help create the Fire Services Bureau. Legislative focus included land use and planning, the environment, natural resources, toxins, children's health, alternative energy, economic development, mental health, higher education, and civil rights.

Legislative Assistant, 1999-2000
52nd District, Lansing Michigan
Served as a Legislative Assistant to Representative John Hansen, provided policy research, constituent services, reviewed legislation and executive budget data, and attended meetings on behalf of the Representative in the District. Contacted constituents and interest groups, assisted with amendments and bill development.

Environmental Consultant
Ann Arbor, Michigan 1993-1999

Provided consulting services in the environmental management and compliance field to businesses in Michigan and Ohio. Consulting services specialized in solid waste management, waste reduction and recycling, environmental compliance and permitting, worker safety training, and project management including on-site facility management.

HONORS:

Legislator of the Year, Michigan Fire Chiefs, 2006
Presidents Award, Michigan Fire Inspectors Society, 2006
Co-Chair of the Fire Service Legislative Caucus
The 2005 Legislative Award from the Michigan Audubon Society
Liberty Bell Award, Washtenaw County Bar Association, 2004
Legislative Award from the National Alliance on Mental Illness, 2004
Environmental Stewardship Award, Sierra Club, Mackinac Chapter, 2004
Legislator of the Year, U of M Students of Choice and College Democrats, 2003
Freedom Award, St. Mary's Christian Fellowship, 2002
Legislative Award from the Michigan League of Conservation Voters, 2002
Henry Toll Fellowship Leadership Class of 2002, Council of State Governments (CSG)
Legislator of the Year, Association for Children's Mental Health, 2001
Bowhay Institute for Legislative Leadership, CSG – Midwest, 2001
Next Generation Leadership Class at East-West Center, University of Hawaii, 1996

COMMUNITY ACTIVITES:

Ann Arbor City Councilmember, 1993-2000, Mayor Pro-tem, 1994-2000.

HIV/AIDS Resource Center Board of Directors, Chair; Girl Scout Council of Huron Valley, Board of Directors; previously served as Co-Chair of the Affordable Housing Task Force, Washtenaw County Solid Waste Planning Commission, and Michigan Municipal League's Transportation and Environmental Committee; volunteered for organizations involving environment, youth, hunger, LGBT, housing, health care, veterans and religious organizations.

Matthew M. Davis, M.D., M.A.P.P.
Professor of Pediatrics and Communicable Diseases
Professor of Internal Medicine
Professor of Public Policy
Professor of Health Management and Policy
University of Michigan
[redacted]
Email: mattdav@med.umich.edu

EDUCATION

HIGH SCHOOL	Eden Senior High School (1981-1985) Eden, New York	
UNDERGRADUATE	Swarthmore College (1985-1989) Swarthmore, Pennsylvania Major Field: Biology	BA with honors, 1989
PROFESSIONAL	Harvard Medical School (1990-1994) Boston, Massachusetts	MD *cum laude*, 1994
	Irving B. Harris School of Public Policy Studies (1999-2000) University of Chicago Chicago, Illinois	MAPP, 2000

POSTDOCTORAL TRAINING

Internship in Internal Medicine and Pediatrics — June 1994 - June 1995
Brigham & Women's Hospital and The Children's Hospital
Boston, Massachusetts

Residency in Internal Medicine and Pediatrics — June 1995 - June 1998
Harvard Combined Residency in Medicine and Pediatrics
Boston, Massachusetts

Acting Chief Residency in Primary Care/Internal Medicine — July 1997 - November 1997
Brigham and Women's Hospital
Boston, Massachusetts

Robert Wood Johnson Foundation Clinical Scholars Program — July 1998 - June 2000
University of Chicago
Chicago, Illinois

CERTIFICATION AND LICENSURE

State of Massachusetts full medical license #155272	1997 - 1998
State of Illinois full medical license #0036-098102	1998 - 2001
State of Michigan full medical license #J693073	2000 -
Drug Enforcement Administration Certificate #BD5935575	2000 -
Diplomate of the American Board of Pediatrics, #064080 - Recertified through 12/31/2017	1998 -
Diplomate of the American Board of Internal Medicine, #194261 - Recertified through 12/31/2021	1999 -

ACADEMIC APPOINTMENTS

Lecturer in Pediatrics and Communicable Diseases and Internal Medicine University of Michigan	July 2000 - February 2002
Core Faculty, Child Health Evaluation and Research (CHEAR) Unit Division of General Pediatrics, University of Michigan	July 2000 -
Core Faculty, Pediatric Health Services Research Fellowship Program, Division of General Pediatrics University of Michigan	July 2000 -
Affiliated Faculty, Robert Wood Johnson Clinical Scholars Program University of Michigan	July 2000 - June 2004
Assistant Professor in Pediatrics and Communicable Diseases and Internal Medicine University of Michigan	February 2002 - August 2006
Affiliated Faculty, National Poverty Center, Gerald R. Ford School of Public Policy University of Michigan	July 2003 -
Assistant Professor of Public Policy, Gerald R. Ford School of Public Policy University of Michigan	January 2004 - September 2006
Core Faculty, Robert Wood Johnson Clinical Scholars Program University of Michigan	July 2004 -
Associate Professor of Pediatrics and Communicable Diseases, Internal Medicine, and Public Policy University of Michigan	September 2006 - August 2013
Professor of Pediatrics and Communicable Diseases, Internal Medicine, and Public Policy University of Michigan	September 2013 -
Professor of Health Management and Policy School of Public Health, University of Michigan	January 2014 -

ACADEMIC ADMINISTRATIVE APPOINTMENTS

Co-Director, Pediatric Health Services Research Fellowship Program, Division of General Pediatrics, University of Michigan	July 2003 - June 2006
Co-Director, Resident Elective in Pediatric Health Services Research for Under-represented Minorities, Division of General Pediatrics, University of Michigan	July 2003 - June 2005
Director, Resident Elective in Pediatric Health Services Research for Under-represented Minorities, Division of General Pediatrics, University of Michigan	July 2005 -
Director, Fellowship Program in Pediatric Health Services Research, Division of General Pediatrics, University of Michigan	July 2006 -
Associate Director, Robert Wood Johnson Clinical Scholars Program, University of Michigan	July 2007 - June 2008
Co-Director, Robert Wood Johnson Foundation Clinical Scholars Program, University of Michigan	July 2008 -
Co-Director, Child Health Initiative Working Group, Michigan Institute for Clinical & Health Research (CTSA), University of Michigan	May 2011 - Sep 2011
Director, Child Health Initiatives Working Group, Michigan Institute for Clinical & Health Research (CTSA), University of Michigan	Sep 2011 - March 2013
Associate Director, Michigan Institute for Clinical & Health Research (CTSA), University of Michigan	Jan 2012 - March 2013
Faculty Director, Path of Excellence in Health Policy—Programs, Systems, and Economics, University of Michigan Medical School	November 2014 -
Director, Communities Engagement Core and Participant Recruitment Core, Michigan Institute for Clinical & Health Research (MICHR)	Jan 2015 -
Deputy Director, Institute for Healthcare Policy and Innovation, University of Michigan	May 2015 -

CLINICAL/HOSPITAL APPOINTMENTS

Clinical Instructor in Pediatrics and Internal Medicine, Harvard Medical School	June 1994 - June 1998
Clinical Instructor in Pediatrics and Internal Medicine, University of Chicago, Pritzker School of Medicine	July 1998 - June 2000
Staff Physician in Pediatrics and Communicable Diseases and Internal Medicine, University of Michigan Health System	July 2000 -

PUBLIC HEALTH / HEALTH POLICY APPOINTMENTS

Chief Medical Executive, Department of Community Health and Department of Health and Human Services, State of Michigan	March 2013 - April 2015

GRANT SUPPORT

Current

Principal Investigator: *National Voices Project*
W.K. Kellogg Foundation
Total cost: $2,135,229. July 2011 - June 2016.

Principal Investigator: *C.S. Mott Children's Hospital National Poll on Children's Health*
University of Michigan Health System
Total cost: $1,868,800. July 2010 - June 2016.

Principal Investigator: *Health Homes Project – Planning and Evaluation*
Michigan Department of Health and Human Services
Total cost: $272,000. May 2015 - September 2016.

Co-Investigator (PI: G Mashour): *Michigan Institute for Clinical and Health Research*
NIH / National Center for Advancing Translational Science
Total cost: $48,788,667. June 2012 - May 2017.

Recent

Principal Investigator: *Pediatric Health Services Research Training* (T32)
Eunice Kennedy Shriver National Institute for Child Health and Human Development
Total cost: $1,271,100. May 2010 - June 2015.

Principal Investigator: *Coursera Initiative: Understanding and Improving the US Healthcare System.*
University of Michigan Medical School.
Total cost: $10,000. January 2013 - December 2013.

Principal Investigator: *The Michigan Child Health Research Priorities (M-CHRP) Project*
Department of Pediatrics and Communicable Diseases
Total cost: $20,000. February 2012 - February 2013.

Principal Investigator: *Economics of Vaccines - Tracking Vaccines under Development to Determine Cost Drivers of the Vaccine Development and Approval Process*
Centers for Disease Control and Prevention
Total cost: $498,038. September 2009 - September 2011.

Principal Investigator: *Voices National Poll*
W.K. Kellogg Foundation
Total cost: $100,000. April 2010 - September 2010.

Principal Investigator: *Innovation Bridge – Linking Biotech Breakthroughs to Emerging Vaccine Manufacturers*
Bill and Melinda Gates Foundation
Total cost: $100,000. October 2008 - September 2009.

Principal Investigator: *Using MEPS Data to Inform Public-Plan Consumerism*
Agency for Healthcare Research and Quality
Total cost: $99,999. July 2007 - June 2008.

Principal Investigator: *Insurance Coverage of Child, Adolescent, and Adult Vaccines*
Partnership for Prevention
Total cost: $124,995. May 2006 - October 2007.

Principal Investigator: *Health Tracking*
Center for Studying Health System Change
Total cost: $97,171. November 2006 - December 2007.

Principal Investigator: *Future Costs of Childhood Obesity: Estimates and Implications*
United States Department of Agriculture
Total cost: $150,000. October 2004 - September 2006.

Principal Investigator: *Market Forces or Misinformation? Exploring the Link Between Self-Insuring Employers and Underinsurance*
Robert Wood Johnson Foundation Generalist Physician Faculty Scholars Program
Total cost: $299,769. July 2002 - June 2006.

Principal Investigator: *How Adult Diabetes Interventions Affect Children*
Blue Cross Blue Shield of Michigan Foundation
Total cost: $10,000. September 2005 - June 2006.

Principal Investigator: *Summer Workshop in Michigan Medicaid Research*
National Poverty Center
Total cost: $10,000. May 2005 - April 2006.

Principal Investigator: *Increasing Costs of Public-Sector Purchase of Childhood Vaccines*
Centers for Disease Control and Prevention.
Total cost: $200,693. September 2001 - September 2003.

Principal Investigator: *Evaluation of the Etiologies of Transitions in Children's Insurance Status and Effects on Healthcare Utilization and Expenditures*
Economic Research Initiative on the Uninsured (Robert Wood Johnson Foundation)
Total cost: $63,961. April 2003 - December 2004.

Co-Investigator: *Variation in Immunization Practices*
(PI: Gary L. Freed, MD, MPH)
Centers for Disease Control and Prevention
Total cost: $1,400,000. September 2004 - October 2013.

Co-Investigator: *BMI2 – Brief Motivational Interviewing to Reduce Child BMI*
(PI: Kenneth Resnicow, PhD)
Eunice Kennedy Shriver National Institute for Child Health and Human Development
Total cost: $3,416,177. April 2008–June 2013.

Co-Investigator: *Mobilizing Peer Support for Effective Congestive Heart Failure Self-Management*
(PI: Michele Heisler, MD, MPA)
National Heart, Lung, and Blood Institute
Total cost: $2,018,444. July 2006 - June 2011.

Co-Investigator and Faculty Mentor: *OB CARES: The Obstetric Clinics and Resources Study*
(PI: Christie Lancaster, MD, MSc)
Michigan Institute for Clinical & Health Research
Total cost: $4,644. February 2010 - June 2011.

Co-Investigator: *Pediatric and Managed Care Issues—Medicaid*
(PI: Gary L. Freed)
State of Michigan Department of Community Health
Total cost: $1,087,676. October 2005 - September 2006.

Co-Investigator: *Enhancing Private Provider Immunization Recall*
(PI: Kevin J. Dombkowski, DrPH)
Centers for Disease Control and Prevention
Total cost: $600,000. October 2006 – November 2009.

Co-Investigator and Faculty Mentor: *A National Study of Health Care Among Foster Children*
(PI: Sandra H. Jee, MD, MPH)
Ambulatory Pediatric Association
Total cost: $10,000. July 2003 – June 2004.

Co-Investigator and Faculty Mentor: *Healthcare Expenditures and Utilization Among Overweight Youth*
(PI: Iris R. Mabry, MD, MPH)
National Poverty Center
Total cost: $9,640. July 2003 – June 2004.

HONORS AND AWARDS

National Scholar, Swarthmore College	1985 - 1989
Garrigues Music Scholar, Swarthmore College	1987 - 1989
Ivy Award (for contributions to the college community), Swarthmore College	1989
Phi Beta Kappa, Swarthmore College chapter	1989
Paul Dudley White Fellowship in International Health, Harvard Medical School	1991, 1993
Pediatric Prize, New England Pediatric Society	1994
Arnold Dunn Award (for compassionate patient care), Brigham and Women's Hospital	1995
Irving B. Harris Fellow in Child Policy, University of Chicago	1999 - 2000
Outstanding Educator, Division of General Pediatrics, University of Michigan	2001
Young Investigator Award in Clinical and Health Services Research, Department of Pediatrics, University of Michigan	2001
Milton W. Hamolsky Junior Faculty Award, Society of General Internal Medicine, annual national meeting	2002
Outstanding Abstract, Academy of Health Services Research and Health Policy, annual national meeting	2002
Young Investigator Award in Clinical Research, Department of Pediatrics, University of Michigan	2003
Teaching Honor Roll, Gerald R. Ford School of Public Policy, University of Michigan	2004 - 2006, 2008, 2010, 2012, 2013, 2015
Token of Appreciation from Medical Students, University of Michigan Medical School	2007, 2009
National Nemours Award in Child Health Services Research	2007
Featured Vaccinologist, *Human Vaccines*	2010
Associate Chair for Research Award, Department of Pediatrics and Communicable Diseases, to support *The Michigan Child Health Research Priorities (M-CHRP) Project*	2012
Distinguished Mentor Award, Michigan Institute of Clinical and Health Research, University of Michigan	2012
Mentor Recognition for Fellow's Research Award presented to Stephen W. Patrick, Ambulatory Pediatric Association	2012
Principal Investigator, "WellSpringboard" – First Place Winner in Patient-Centered Outcomes Research Institute Challenge Initiative	2013
Principal Investigator, "WellSpringboard" – Second Place Winner in Patient-Centered Outcomes Research Institute Matchmaking App Challenge	2014

Snyder Memorial Lecturer in Medicine and the Humanities, Swarthmore College, Swarthmore, PA	2014
Visiting Professor, Royal Children's Hospital, Melbourne, Australia	2014
Inaugural Visiting Professor in Internal Medicine and Pediatrics, Children's Hospital and Brigham & Women's Hospital, Harvard Medical School, Boston, MA	2015
Visiting Professor, PolicyLab, Children's Hospital of Philadelphia Philadelphia, PA	2015
Regents' Award for Distinguished Public Service, University of Michigan	2015

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

Society of General Internal Medicine	1998 -
Society for Medical Decision-Making	1999 -
Ambulatory Pediatric Association / Academic Pediatric Association	2000 -
Association of Teachers of Preventive Medicine	2001 -
AcademyHealth (formerly Association of Health Services Research and Health Policy)	2001 -
American College of Physicians / American Society of Internal Medicine	2002 -
Society for Pediatric Research (elected)	2004 -

SCIENTIFIC ACTIVITIES

Chair, Planning Committee for the Robert Wood Johnson Clinical Scholars Program annual Health Economics Symposium	2000
Peer Reviewer, *Journal of the Ambulatory Pediatric Association/ Ambulatory Pediatrics/Academic Pediatrics*	2000 -
Peer Reviewer, *Journal of General Internal Medicine*	2000 -
Peer Reviewer, *Up-To-Date*	2000 - 2003, 2010
Peer Reviewer, *Archives of Pediatric and Adolescent Medicine / JAMA-Pediatrics*	2001 -
Peer Reviewer, *JAMA*	2001 -
Peer Reviewer, *Journal of Health Policy, Politics, and Law*	2001 -
Peer Reviewer, *Annals of Internal Medicine*	2002 -
Peer Reviewer, *American Journal of Managed Care*	2003 -
Peer Reviewer, National Poverty Center grants program	2003 - 2006
Member, Editorial Board, *Ambulatory Pediatrics*	2005 - 2007
Peer Reviewer, Ambulatory Pediatric Association Young Investigators Grants Program	2005 - 2007
Peer Reviewer, *Journal of Policy and Management*	2005 -
Peer Reviewer, *Health Services Research*	2005 -
Peer Reviewer, *Vaccine*	2005 -
Lead Author, Guidelines for Prevention of Childhood Obesity, American Medical Association and American Academy of	2005 - 2007

Pediatrics	
Member, Influenza Vaccine Group, American Heart Association	2006 -
Peer Reviewer, *Health Affairs*	2006 -
Study Section Member – Health, Behavior, and Context Subcommittee, National Institutes of Health	2006
Senior Health Researcher, Center for Studying Health System Change, Washington, DC	2006 - 2007
Member, Editorial Board, *Archives of Pediatrics and Adolescent Medicine / JAMA-Pediatrics*	2007 - 2013
Founding Director, C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan	2007 -
Peer Reviewer, *New England Journal of Medicine*	2008 -
Founding Web Editor, *Archives of Pediatrics and Adolescent Medicine / JAMA-Pediatrics*	2008 - 2013
Study Section Member – Disease, Disability, and Injury Prevention and Control Special Emphasis Panel, Centers for Disease Control and Prevention	2009
Member, Expert Advisory Committee, Measuring Pediatric Access to Specialty Health Care by Insurance Status (PI: Karin Rhodes, MD, MS; funded by State of Illinois)	2009 - 2012
Co-Guest Editor, Special Issue on "Bridging the Gap Between Research and Health Policy," *HSR – Health Services Research*	2010 - 2012
Chair, National Center for Chronic Disease Prevention and Health Promotion Special Emphasis Panel, Centers for Disease Control and Prevention	2011
Member, Special Advisory Panel to the Director of the National Center for Advancing Translational Sciences, National Institutes of Health	2013 - 2014
Member, Special Review Panel, National Institute of Diabetes and and Digestive and Kidney Diseases, National Institutes of Health	2015

TEACHING ACTIVITIES

Intramural Invited Presentations (selected)

"Teen problem-solving and its impact on tobacco use." Grand Rounds, Department of Pediatrics, Pritzker School of Medicine, University of Chicago.	1999
Health Services Research Seminar (semi-annually), Child Health Evaluation and Research (CHEAR) Unit, Division of General Pediatrics, University of Michigan	2000 -
"Are parental depressive symptoms linked to underimmunization of young children?" Grand Rounds, Department of Pediatrics, University of Michigan	2001
"Smallpox: new challenges from an old foe," Grand Rounds, Department of Pediatrics, University of Michigan	2002

"The Medicare Prescription Drug Improvement and Modernization Act of 2003: Policy Implications." Faculty panelist, University of Michigan.	2004
"Obesity trends during childhood and adolescence: insights for clinicians and policymakers", Grand Rounds, Department of Pediatrics, University of Michigan	2005
"Obesity trends during childhood and adolescence: findings from the PSID-CDS", invited speaker, Series on the Panel Study of Income Dynamics, Institute for Social Research, University of Michigan	2005
"Are the best vaccines still ahead, or already behind us? Costs, contradictions, and controversies in childhood immunization," Grand Rounds, Department of Pediatrics and Communicable Diseases	2008
"Health and Health Care in Michigan," Seminars in Medicine for M3 curriculum, University of Michigan Medical School	2008
"Health Care Reform Proposals of the 2008 Candidates for President," Seminars in Medicine for M3 curriculum, University of Michigan Medical School	2008
"Health Care Platforms of the 2008 Presidential Candidates," expert panel convened by the Roosevelt Institution, University of Michigan	2008
"Policy Advice for the Newly Elected President," expert panel convened by Dean Susan Collins of the Gerald R. Ford School of Public Policy, University of Michigan	2008
"When Families Refuse Vaccines," presentation to the Health Sciences Scholars Program for Undergraduates, University of Michigan	2009
"Dilemmas in Development and Delivery of Vaccines," Bioethics Grand Rounds, University of Michigan Health System.	2009
"Health Care Reform in the US Under President Obama and a Democratic Congress," Special Guest Lecturer, Program in Public Policy and International Affairs, University of Michigan	2009
"Fresh Challenges in Development and Delivery of Vaccines," Grand Rounds, Department of Pediatrics and Communicable Diseases, University of Michigan	2009
"Health Care Reform: Proposals, Politics, and Prospects," Special Panel Symposium, Gerald R. Ford School of Public Policy, University of Michigan	2009
"What Type of Health Care Reform Would be Best for Primary Care?" Featured Speaker for Primary Care Week, University of Michigan Medical School	2009
"Financing Development of Drugs and Vaccines for Neglected Diseases," Faculty Commentator, Gerald R. Ford School of Public Policy, University of Michigan	2010
"Making Sense of Health Policy Reform: Latest Events, Greatest Hopes," Grand Rounds, Department of Pediatrics and	2010

Communicable Diseases

"(False) Summits and (True) Profits: Health Care Reform in the United States," Grand Rounds, Department of Internal Medicine	2010
"Public Preferences for Participation in Medical Research," Grand Rounds, Department of Pediatrics and Communicable Diseases	2011
"Quality of Health Care and the Affordable Care Act," guest speaker in Health Care Reform in the U.S., taught by Jill Horwitz at University of Michigan Law School	2011
"Policy Analysis vs Policy Advocacy," guest speaker in HMP 615-Introduction to Public Health Policy at University of Michigan School of Public Health	2011
"Presidents, Precedents, and Healthcare Reform in the United States," Guest Lecturer in History 234 for undergraduate students at University of Michigan; lead faculty: Joel Howell, MD, PhD	2012 -
"Teen Pregnancy, Infant Mortality and the Public Voice: New Approaches to Old Problems at the Nexus of Maternal and Child Health," Grand Rounds, Department of Obstetrics and Gynecology, University of Michigan Health System	2012
"Priorities for the Health and Healthcare of Michigan's Children: Perspectives from Lansing," Grand Rounds, Department of Pediatrics and Communicable Diseases, University of Michigan Health System	2013
"Presidential Politics for 2016: How Will Health Policy Play a Role?" Grand Rounds, Department of Anesthesiology, University of Michigan Health System	2015
"Health Policymaking in Michigan: a View from the Inside," Grand Rounds, Department of Pediatrics and Communicable Diseases, University of Michigan Health System	2015

Courses and Seminars

Primary Care Internal Medicine weekly morning report, Brigham & Women's Hospital, Boston, Massachusetts	1997
Internal Medicine resident journal club, faculty lead, University of Chicago	1999 - 2000
"Introduction to the Patient: Health Policy," small group section leader, Year 2 curriculum, University of Michigan Medical School	2001
"Medical Decision-Making," small group section leader, Year 2 curriculum, University of Michigan Medical School	2001 - 2003
Public Policy 740, Gerald R. Ford School of Public Policy: "Issues in Child and Family Health Policy," a full-semester, 3-credit course for master's level students	2002 - 2006
"Threats to Successes in Child Health Policy in the United States," instructor for health policy module in the Public Policy and International Affairs program for minority undergraduates at Gerald R. Ford School of Public Policy, University of	2003 - 2004, 2008

Michigan	
"Health Economics and Health Policy," lead instructor for segment of Clinical Foundations of Medicine course, Years 1, 2, and 3 curriculum, University of Michigan Medical School	2006 -
Public Policy 700, Gerald R. Ford School of Public Policy: "Independent Study" for master's level students as 3-credit, full-semester course	2006 -
Public Policy 768, Gerald R. Ford School of Public Policy: "Efforts at Health Care Reform in the United States – Past, Present, and Future," a full-semester, 3-credit course for master's-level students	2008, 2010, 2012, 2013
Public Policy 495, Gerald R. Ford School of Public Policy: "Principles and Realities of Health Care Reform," a full-semester, 3-credit course for upper-level undergraduate students	2008
Health and Health Care Research 740 and 741, Rackham School of Graduate Studies, "Research on Organization, Financing, and Delivery of Health Care," two full-semester 3-credit courses for physician-investigators-in-training	2008 -
"Containing Health Care Costs," originator and lead instructor for annual M2 elective course, 6 hours of class time	2010 - 2014
"History of Health Care Reform in the United States," instructor for health policy module in the Public Policy and International Affairs program for minority undergraduates at Gerald R. Ford School of Public Policy, University of Michigan	2011, 2013, 2015
"Understanding and Improving the US Healthcare System," lead developer and lead faculty for massive open online course provided on the global Coursera platform	2013 -
Public Policy 750, Gerald R. Ford School of Public Policy: "Medicaid as an Innovative and Challenging Safety Net," a half-semester, 1-credit course for master's-level students	2015

Clinical Mentorship

Internal Medicine & Pediatrics residency program, weekly resident continuity clinic preceptor at Canton Health Center, University of Michigan	July 2000 - December 2006
Internal Medicine & Pediatrics residency program, *ad hoc* resident continuity clinic preceptor at Canton Health Center, University of Michigan	January 2007 -

Research Mentorship

Internal Medicine & Pediatrics residency program, resident research mentor, University of Michigan (1-3 residents mentored each academic year)	July 2000 -
Core Faculty, Pediatric Health Services Research Fellowship Program, Division of General Pediatrics, University of Michigan	July 2000 -

(1-4 fellows mentored each academic year)

Affiliated Faculty, Robert Wood Johnson Clinical Scholars Program, University of Michigan (1-2 fellows mentored each academic year)	July 2000 - June 2004
Core Faculty, Robert Wood Johnson Foundation Clinical Scholars Program, University of Michigan (3-10 fellows mentored each academic year)	July 2004 -

COMMITTEE AND ADMINISTRATIVE SERVICE

Admissions Committee, Harvard Medical School	1991 - 1992
Residency Selection Committee, Harvard Combined Program in Medicine and Pediatrics	1994 - 1998
Member, Residency Selection Committee, Departments of Pediatrics and Communicable Diseases and Internal Medicine, University of Michigan	2002 - 2006
Member, Resident Research Committee, Department of Pediatrics, University of Michigan	2003 - 2006
Member of Judging Panel, Annual Resident Research Day, St. Joseph Mercy Hospital, Ann Arbor, Michigan	2004 - 2005
Member, 2006 Annual Meeting Planning Committee, AcademyHealth	2005 - 2006
Lead Faculty Advisor, Medical School and Gerald R. Ford School of Public Policy Dual Degree MD/MPP Program, University of Michigan	2006 -
Pediatric Clinical Research Committee, University of Michigan	2008
Member, External Planning Committee, Annual National Immunization Conference	2008 - 2009
Faculty Lead, Medical School coursework in Health Policy and Health Economics, M1-M3 years, University of Michigan	2008 -
Member, Instructional Track Appointments, Promotions, and Tenure Committee, Department of Pediatrics and Communicable Diseases, University of Michigan	2010 - 2014
Member, Grand Rounds Committee, Department of Pediatrics and Communicable Diseases, University of Michigan	2010 - 2012
Member, Child Health Initiative Working Group, Michigan Institute for Clinical and Health Research (MICHR), University of Michigan	2010 - 2011
Member, Search Committee, Founding Director of the Institute of Healthcare Policy and Innovation, University of Michigan	2010 - 2011
Member, Harvard Medical School Alumni Council	2011 - 2014
Co-Chair, Inaugural Events for the Institute for Healthcare Policy and Innovation, University of Michigan	2012 - 2013
Member, Research and Policy Committee, Center for Healthcare Research and Transformation	2012 -
Member, Selection Committee for the Michigan Institute of Clinical and Health Research (MICHR) Mentor Award	2013 -
Member, Institute Leadership Team, Institute for Healthcare Policy	2013 -

and Innovation, University of Michigan

Member, Search Committee for Associate Dean for Clinical and Translational Research, University of Michigan — 2015

EXTRAMURAL INVITED PRESENTATIONS

"Methodological issues in the application of quality-adjusted life-years to interventions regarding children." Presentation at Environmental Protection Agency of white paper submitted as background for the *Child Health Evaluation Handbook,* Washington, DC. — June 2001

"Vaccine shortages and vaccine economics." Presented at the National Immunization Program, Centers for Disease Control and Prevention, Atlanta, GA. — March 2002

"Increasing costs of public-sector purchase of childhood vaccines." Presented at the National Immunization Program, Centers for Disease Control and Prevention, Atlanta, GA. — March 2003

"Insurance transitions for children and adults." Grand Rounds, Harvard Combined Program in Internal Medicine and Pediatrics, Boston, MA. — June 2003

"Adult vaccine benefit coverage in employer-sponsored health plans." Presented at the National Immunization Program, Centers for Disease Control and Prevention, Atlanta, GA. — March 2004

"Insurance coverage of vaccines." Presented to the National Vaccine Advisory Committee, Washington, DC. — February 2005

"Considering the costs of vaccines." Presented at the National Immunization Program, Centers for Disease Control and Prevention, Atlanta, GA. — March 2005

"Old challenges, new opportunities in insurance coverage for adult vaccines." Presented to the National Vaccine Advisory Committee, Washington, DC. — November 2005

"Addressing children's underinsurance through policy-relevant research." Presented within Pediatric Academic Societies Topic Symposium, "From Health Services Research to Public Policy," at annual PAS meeting, San Francisco, CA. — May 2006

"Counting the costs of childhood obesity." Grand Rounds, Department of Pediatrics, Beaumont Hospital, Royal Oak, MI. — October 2006

"Vaccine financing strategies and industry research opportunities: the global perspective." Plenary presentation at the World Vaccine Congress, Washington, DC. — April 2009

"Innovation Bridge: New vaccines, new partnerships." Plenary presentation at the Developing Country Vaccine Manufacturers Network 10th annual meeting, Beijing, China. — September 2009

"Health care reform in the United States." Featured speaker at town hall meeting, Northville, MI. — October 2009

"Opportunities for health care reform during the Obama — November 2009

administration." Featured speaker at quarterly meeting of the Washtenaw County Medical Society, Ann Arbor, MI.	
"A critical examination of legislative options for health care reform." Department of Internal Medicine Journal Club, Saint Joseph Mercy Health System, Ann Arbor, MI.	December 2009
"Making sense of health policy reform." Grand Rounds, Department of Internal Medicine, Saint Joseph Mercy Hospital, Ann Arbor, MI.	March 2010
"Fresh challenges in the development and delivery of vaccines." Grand Rounds, Department of Pediatrics, Beaumont Hospital, Royal Oak, MI.	June 2010
"Illuminating the global R&D pipeline for prophylactic vaccines." Featured speaker, special presentation, International AIDS Vaccine Initiative, New York, NY.	December 2010
"Understanding challenges and opportunities in research and development of prophylactic vaccines." Featured guest lecturer, Bloomberg School of Public Health, The Johns Hopkins University, Baltimore, MD.	March 2011
"Characterizing and understanding the R&D pipeline for prophylactic vaccines." Presented at National Center for Influenza and Respiratory Diseases, Centers for Disease Control and Prevention, Atlanta, GA.	April 2011
"National Voices Project." Featured panel presenter at America Healing national meeting of grantees of the W.K. Kellogg Foundation, Asheville, NC.	May 2011
"Failings in pediatrics (and what health services research can do about them)." Featured faculty presenter, 1st Annual Child Health Services Research Symposium, Indiana University Purdue University at Indianapolis, Indianapolis, IN.	September 2011
"Addressing significant unmet needs through world class vaccine pipelines." Featured plenary speaker, World Vaccine Congress, Lyon, France.	October 2011
"Challenges and opportunities in research, development and financing of prophylactic vaccines." Featured guest lecturer, Bloomberg School of Public Health, The Johns Hopkins University, Baltimore, MD.	February 2012
"Challenges and successes in new vaccine development for adults." Grand Rounds speaker, Saint John's Hospital, Detroit, MI.	October 2012
"National Voices Project." Featured panel presenter at America Healing national meeting of grantees of the W.K. Kellogg Foundation, Asheville, NC.	April 2013
"Clinical implications of healthcare reform for academic medical centers." Association of Academic Internal Medicine annual meeting, New Orleans, LA.	October 2013
"Making progress but losing ground: the quicksand of infant mortality in the United States." Snyder Memorial Lecture, Swarthmore College, Swarthmore, PA.	March 2014
"The Million Hearts Initiative: Can the Affordable Care Act	May 2014

deliver?" Million Hearts Initiative Workshop, Okemos, MI.

"What if we asked the public?" Grand Rounds presentation, Royal Children's Hospital, Melbourne, Australia. — August 2014

"Infant mortality as a state health priority and key index of population health in Michigan." Health Policy guest lecturer, Oakland University William Beaumont Medical School, Troy, MI. — October 2014

"Health services research and impact of the field of infant mortality research." Keynote speaker, annual meeting of the Midwest Society of Pediatric Research, Cleveland Clinic, Cleveland, OH. — October 2014

"What if we asked the public? Measuring attitudes, influencing policy." Grand Rounds presentation, Children's Hospital, Boston, MA. — January 2015

"From affecting to effecting health policy: focusing on population health as a physician, researcher, and government official." Grand Rounds presentation, Brigham & Women's Hospital, Boston, MA. — January 2015

"Importance of addressing neonatal abstinence syndrome in Michigan." Keynote address for statewide symposium: NAS—Primary and Secondary Prevention; a Team Approach. Okemos, MI. — May 2015

"In the belly of the policy beast: Data, debate, and the value of the academic voice." PolicyLab Seminar presentation, Children's Hospital of Philadelphia, Philadelphia, PA. — May 2015

"MHA Keystone Pain Management: Why, who, what, how?" Keynote address, Michigan Health and Hospitals Association Keystone Symposium, Dearborn, MI. — May 2015

SELECTED OTHER PRESENTATIONS

"Parental depression as a determinant of undervaccination among preschool-aged children." Plenary presentation, Robert Wood Johnson Clinical Scholars Program annual meeting, Ft. Lauderdale, FL. — November 2000

"The future of childhood vaccine costs in the public sector." Platform presentation, Robert Wood Johnson Clinical Scholars Program annual meeting, Ft. Lauderdale, FL. — November 2001

"Cost-effectiveness analysis of immunization strategies regarding smallpox bioterrorism." Platform presentation, Society of General Internal Medicine annual meeting, Atlanta, GA. — May 2002

"State-level demographic, economic, and political factors associated with children's vaccination rates." Oral presentation, AcademyHealth annual meeting, Washington, D.C. — June 2002

"Factors associated with transitions in children's health insurance." Platform presentation, Pediatric Academic Societies annual meeting, Seattle, WA. — May 2003

"Projected economic impact of childhood vaccine shortages." — May 2003

Platform presentation, Pediatric Academic Societies annual meeting, Seattle, WA.

"Decline in varicella-related hospitalizations and expenditures after introduction of varicella vaccine." Platform presentation, Pediatric Academic Societies annual meeting, San Francisco, CA.	May 2004
"State school and daycare entry laws associated with higher varicella immunization rates." Platform presentation, Pediatric Academic Societies annual meeting, San Francisco, CA.	May 2004
"Healthcare utilization and expenditures associated with adults' transitions in health insurance status." Platform presentation, Society of General Internal Medicine annual meeting, Chicago, IL.	May 2004
"Preferences and tradeoffs for preventive services in health plans." Platform presentation, Society of General Internal Medicine annual meeting, Chicago, IL.	May 2004
"Attitudes of medical subspecialists regarding influenza vaccine." Oral presentation, National Immunization Conference, Nashville, TN.	March 2004
"Benefits coverage for adult vaccines in employer-sponsored health plans." Oral presentation, National Immunization Conference, Nashville, TN.	March 2004
"Assessing the potential effect of programmatic changes in Medicaid and SCHIP on children's uninsured rates." Research panel presentation at the 2005 annual Child Health Services Research Meeting of AcademyHealth, Washington, D.C.	June 2005
"How many successes and how many failures? Vaccine development in the United States, 1995-2008." Oral presentation, National Immunization Conference, Dallas, TX.	March 2009
"How many successes and how many failures? Vaccine development in the United States, 1995-2008." Oral symposium presentation, Pediatric Academic Societies annual meeting, Baltimore, MD.	May 2009
"Implications of national health care reform for the University of Michigan Health System." Presentation to the Regents of the University of Michigan.	May 2010
"Implications of racial/ethnic diversity for health in the United States—2030." Featured speaker, Society 2030 meeting, Institute for Social Research, University of Michigan.	June 2011
"Focusing on passion, difference, and service." Keynote presentation at graduation of the Michigan Health Sciences Summer Institute / Undergraduate Research Academy, University of Michigan.	August 2014

BIBLIOGRAPHY

Peer-Reviewed Publications

1) Davis FB, Blas SD, **Davis MM**, Davis PJ. Analogue-specific action *in vitro* of atrial natriuretic factor on human red blood cell Ca2+-ATPase activity. *Hypertension.* 1988;12:428-433.
2) **Davis MM,** Andreae M, Freed GL. Physicians' early challenges related to the pneumococcal conjugate vaccine. *Ambul Pediatr* 2001;1:302-305.
3) Kemper AR, **Davis MM,** Freed GL. Expected adverse events in a smallpox vaccination campaign for children and young adults. *Eff Clin Pract* 2002;5:84-90.
4) Freed GL, **Davis MM,** Andreae MC, Bass S, Weinblatt H. Reimbursement for Prevnar: A modern-day version of Hercules and the Hydra. *Pediatrics.* 2002;110:399-400.
5) **Davis MM,** McMahon SR, Santoli JM, Schwartz B, Clark SJ. A national survey of physician practices regarding influenza vaccine. *J Gen Intern Med* 2002;17:670-676.
6) Cabana MD, Aiken KD, **Davis MM,** Freed GL, Clark SJ. Combined effect of changes in guideline recommendations and immunization financing policy on nursery immunizations. *Ambul Pediatr* 2002;2:367-374.
7) **Davis MM,** Zimmerman JL, Wheeler JRC, Freed GL. The costs of childhood vaccine purchase in the public sector: past trends, future expectations. *Am J Public Health.* 2002;92:1982-1987.
8) Freed GL, **Davis MM,** Clark SJ. Variation in public and private supply of pneumococcal conjugate vaccine during a shortage. *JAMA.* 2003;289:575-578.
9) Kemper AR, **Davis MM.** Under scrutiny: smallpox vaccine recommendations. *Expert Opin Pharmacother.* 2003;4:1207-1214.
10) **Davis MM,** Ndiaye SM, Freed GL, Kim CS, Clark SJ. Influence of insurance status and vaccine cost on physicians' administration of pneumococcal conjugate vaccine. *Pediatrics.* 2003;112:521-526.
11) **Davis MM,** Ndiaye SM, Freed GL, Clark SJ. One-year uptake of pneumococcal conjugate vaccine: a national survey of family physicians and pediatricians. *J Am Board Fam Pract.* 2003;16:363-371.
12) Cabana MD, Rand C, Slish K, Nan B, **Davis MM,** Clark N. Pediatrician self-efficacy for counseling parents of asthmatic children to quit smoking. *Pediatrics.* 2004;113:78-81.
13) **Davis MM,** Wortley PM, Ndiaye SM, Woods MG, Clark SJ. Availability of influenza vaccine among medical subspecialty practices: a national survey. *Am J Prev Med.* 2004;26:307-310.
14) Pollack HA, Dombkowski KJ, Zimmerman JB, **Davis MM,** Cowan AE, Wheeler JRC, Hillemeier AC, Freed GL. Emergency department use among Michigan children with special health care needs: an introductory study. *Health Serv Res.* 2004;39:665-692.
15) Aiken KD, Freed GL, **Davis MM.** When insurance status isn't static: insurance transitions for low-income children and implications for health and health care. *Ambul Pediatr* 2004;4:237-243.
16) Flynn HA, **Davis MM,** Marcus SM, Cunningham R, Blow FC. Rates of maternal depression in pediatric emergency department and relationship to child service utilization. *Gen Hosp Psychiatry.* 2004;26:316-322.
17) **Davis MM,** Upston AM. State legislator gender and other characteristics associated with sponsorship of child health bills. *Ambul Pediatr* 2004;4:295-302.
18) Jee SH, **Davis MM.** Factors associated with variations in parental social support in primary care pediatric settings. *Ambul Pediatr* 2004;4:316-322.
19) **Davis MM,** Patel MS, Gebremariam A. Decline in varicella-related hospitalizations and expenditures for children and adults after introduction of varicella vaccine in the United States. *Pediatrics.* 2004;114:786-792.
20) Odetola O, Clark SJ, Freed GL, Bratton SL, **Davis MM.** A national survey of the distribution of pediatric critical care resources in the United States. *Pediatrics.* 2005;115:382-386.
21) Kemper AR, Cowan AE, Ching PL, **Davis MM,** Kennedy E, Clark SJ, Freed GL. Hospital decision-making regarding the smallpox pre-event vaccination program. *Biosecur Bioterr.* 2005;3:23-30.

22) **Davis MM,** Gaglia M. Association of daycare and school entry vaccination requirements with varicella immunization rates. *Vaccine.* 2005;23:3053-3060.
23) **Davis MM,** Fant KE. Coverage of vaccines in private health plans: what does the public prefer? *Health Aff.* 2005;24:770-779.
24) **Davis MM,** Halasyamani LK, Sneller V-P, Bishop KR, Clark SJ. Provider response to different formats of the adult immunization schedule. *Am J Prev Med.* 2005;29:34-40.
25) Odetola O, Miller W, **Davis M,** Bratton S. The relationship between the location of pediatric intensive care unit facilities and child death from trauma: a county-level ecologic study. *J Pediatr.* 2005;147:74-77.
26) Yoon EY, **Davis MM,** Van Cleave J, Maheshwari S, Cabana MD. Factors associated with non-attendance at pediatric subspecialty asthma clinics. *J Asthma.* 2005;42:555-559.
27) Gopal S, **Davis MM.** Improving delivery of influenza vaccine to nonelderly persons with cardiovascular disease, with and without sufficient national supply of vaccine: a decision analysis. *Hum Vaccin.* 2005;1:217-223.
28) Odetola FO, Clark SJ, **Davis MM**. Growth, development and failure to thrive: Factors that underlie the availability of pediatric critical care facilities in the United States. *Pediatr Crit Care Med.* 2006; 7:70-73.
29) **Davis MM,** Slish K, Chao C, Cabana MD. National trends in bariatric surgery, 1996-2002. *Arch Surg.* 2006;141:71-74.
30) Yoon EY, **Davis MM,** El-Essawi H, Cabana MD. FDA labeling status of pediatric medications. *Clin Pediatr (Phila)).* 2006;45:75-78.
31) Lee JM, **Davis MM,** Clark SJ, Hofer TJ, Kemper AR. Estimated cost-effectiveness of growth hormone therapy for idiopathic short stature. *Arch Pediatr Adolesc Med.* 2006; 160:263-269.
32) Patel MS, **Davis MM.** Could a federal program promoting influenza vaccination among elders be cost-effective? *Prev Med.* 2006;42:240-246.
33) Gaglia MA, **Davis MM.** States' emergency orders regarding the 2004-05 influenza vaccine shortage. *Hum Vaccin.* 2006;2:34-37.
34) **Davis MM.** Successes and remaining challenges after 10 years of varicella vaccination in the United States. *Expert Rev Vaccines.* 2006;5:295-302.
35) Cowan AE, Winston CA, **Davis MM,** Wortley PM, Clark SJ. Influenza vaccination status and influenza-related attitudes and practices among US physicians. *Am J Infect Control.* 2006;34:164-169.
36) Jee SH, Barth RP, Szilagyi MA, Szilagyi PG, Aida M, **Davis MM.** Factors associated with chronic conditions among children in foster care. *J Health Care Poor Underserved.* 2006;17:328-341.
37) Kemper AR, Dombkowski KJ, Menon RK, **Davis MM.** Trends in diabetes mellitus among privately insured children, 1998-2002. *Ambul Pediatr.* 2006;6:178-181.
38) Odetola F, Tilford JM, **Davis MM.** Variation in the use of intracranial pressure monitoring and mortality in critically ill children with meningitis in the United States. *Pediatrics.* 2006;117:1893-1900.
39) Flynn HA, Cain SA, O'Mahen HA, **Davis MM.** Detection of maternal alcohol use problems in the pediatric emergency department. *Alcohol Clin Exp Res.* 2006;30:1160-1164.
40) Mmeje O, **Davis MM.** Will coverage for child and adolescent immunizations be mandated in insurance plans in 2006? Lessons learned from the Newborns and Mothers Health Protection Act of 1996. *Pediatrics.* 2006;118:388-392.
41) **Davis MM,** Broder KR, Cowan AE, Mijalski C, Kretsinger K, Stokley S, Clark SJ. Physician attitudes and preferences regarding new combined tetanus-diphtheria-acellular pertussis vaccines for adolescents in the United States. *Amer J Prev Med.* 2006;31:176-180.
42) Patel UD, **Davis MM.** Physicians' attitudes and practices regarding adherence to medical regimens

by patients with chronic illness. *Clin Pediatr (Phila).* 2006;45:439-45.

43) Patel UD, **Davis MM.** Falling into the doughnut hole: drug spending among beneficiaries with end-stage renal disease under Medicare Part D plans. *Am J Nephrol.* 2006; 17: 2546-2553.
44) Gurney JG, McPheeters ML, **Davis MM.** Health conditions and health care utilization among children with and without autism: National Survey of Children's Health. *Arch Pediatr Adolesc Med.* 2006;160:825-830.
45) Dombkowski KJ, **Davis MM,** Cohn L, Clark SJ. Potential for improving influenza vaccination rates among children with asthma. *Arch Pediatr Adolesc Med.* 2006;160:966-971.
46) **Davis MM,** Taubert K, Benin AL, Brown DW, Mensah GA, Baddour LM, Dunbar S, Krumholz HM. Influenza vaccination as secondary prevention for cardiovascular disease. *Circulation.* 2006;114:1549-1553.
47) Van Cleave J, **Davis MM.** Bullying behaviors and children with special health care needs in a national sample. *Pediatrics.* 2006;118:1212-1219.
48) Okumura M, Campbell A, Nasr S, **Davis MM.** Inpatient health care utilization among adult survivors of chronic childhood illnesses in the United States. *Arch Pediatr Adolesc Med.* 2006;160:1054-1060.
49) Lee JM, Okumura M, **Davis MM,** Herman WH, Gurney JG. Prevalence and determinants of insulin resistance among U.S. adolescents: a population based study. *Diabetes Care.* 2006;29:2427–2432.
50) Clark SJ, Adolphe S, **Davis MM,** Cowan AE, Kretsinger K. Attitudes of U.S. obstetricians toward a combined tetanus-diphtheria-acellular pertussis vaccine for adults. *Infect Dis Obstet Gynecol.* 2006;2006:1-5.
51) Odetola FO, Shanley TP, Gurney JG, Clark SJ, Dechert RE, Freed GL, **Davis MM.** Characteristics and outcomes of inter-hospital transfers from Level II to Level I pediatric intensive care units. *Pediatr Crit Care Med.* 2006;7:536-540.
52) Clark SJ, Cowan AE, Stokley S, Bilukha O, **Davis MM.** Physician perspectives to inform a new meningococcal conjugate vaccine (MCV4) recommendation. *J Adolesc Health.* 2006;39:850-855.
53) Dempsey AF, **Davis MM.** Overcoming barriers to adherence to HPV vaccination recommendations. *Am J Manag Care.* 2006;12:S484-S491.
54) Laroche HH, Hofer TP, **Davis MM.** Adult fat intake associated with the presence of children in households: findings from NHANES III. *J Am Board Fam Med.* 2007;20:9-15.
55) **Davis MM,** Patel MS, Halasyamani L. Variation in estimated Medicare prescription drug plan costs and affordability for beneficiaries living in different states. *J Gen Intern Med.* 2007;22:257-263.
56) **Davis MM,** Marin M, Cowan AE, Guris D, Clark SJ. Physician attitudes regarding breakthrough varicella disease and a potential second dose of varicella vaccine. *Pediatrics.* 2007;119:258-264.
57) Lee JM, **Davis MM,** Clark SJ, Kemper AR. Threshold of evaluation for short stature in a pediatric specialty clinic: differences between boys versus girls? *J Pediatr Endocrinol Metab.* 2007; 20:21-26.
58) Woolford SJ, Clark SJ, Lumeng JC, Williams DR, **Davis MM.** Maternal perspectives on growth and nutrition counseling provided at preschool well-child visits. *J Natl Med Assoc.* 2007;99:153-158.
59) **Davis MM,** Halasyamani LK. Conflicting measures of hospital quality: ratings from 'Hospital Compare' versus 'Best Hospitals.' *J Hosp Med.* 2007;2:128-134.
60) **Davis MM,** Kretsinger K, Cowan AE, Stokely S, Clark SJ. New combined tetanus-diphtheria-acellular pertussis vaccines for adults: primary care physician attitudes and preferences. *Hum Vaccin.* 2007; published online, available at: http://www.landesbioscience.com/journals/vaccines/abstract.php?id=4307.
61) Yoon EY, Dombkowski KJ, Rocchini A, Lin JJ, **Davis MM.** Off-label utilization of antihypertensive medications in children. *Ambul Pediatr.* 2007;7:299-303.
62) Woolford S, Clark SJ, Gebremariam A, **Davis MM.** Inpatient hospital charges associated with obesity as a secondary diagnosis in children. *Obesity.* 2007;15:1895-1901.
63) Okumura MJ, McPheeters M, **Davis MM**. State and national estimates of insurance coverage and

health care utilization for adolescents with chronic conditions from the National Survey of Children's Health Survey, 2003. *J Adolesc Health.* 2007;41:343-349.

64) Lee JM, Okumura MJ, Freed GL, Menon RK, **Davis MM.** Trends in hospitalizations for diabetes among children and young adults – United States, 1993-2004. *Diabetes Care.* 2007;30:3035-3039.
65) **Davis MM,** Gance-Cleveland B, Hassink S, Johnson R, Paradis G, Resnicow K. Recommendations for prevention of childhood obesity. *Pediatrics.* 2007;120:S229-S253.
66) Van Cleave J, Heisler M, DeVries JM, Joiner TA, **Davis MM.** Discussion of illness during well-child visits with parents of children with and without special health care needs. *Arch Pediatr Adolesc Med.* 2007;161:1170-1175.
67) Laroche HH, **Davis MM,** Forman J, Palmisano G, Heisler M. What about the children? The experience of families involved in an adult-focused diabetes intervention. *Public Health Nutr.* 2007; published online, available at: http://journals.cambridge.org/download.php?file=%2FPHN%2FS1368980007000791a.pdf&code=1df0b200917a34dd1e3a1a9fe14560df.
68) Odetola FO, Rosenberg AL, **Davis MM,** Clark SJ, Dechert RE, Shanley TP. Do outcomes vary according to the source of admission to the pediatric intensive care unit? *Pediatr Crit Care Med.* 2008;9:20-25.
69) Schilling PL, **Davis MM,** Albanese CT, Dutta S, Morton J. National trends in adolescent bariatric surgical procedures and implications for surgical centers of excellence. *Bull Am Coll Surg.* 2008;206:1-12.
70) Lee JM, **Davis MM,** Menon RK, Freed GL. The geographic distribution of childhood diabetes and obesity to the supply of pediatric endocrinologists in the US. *J Pediatr.* 2008;152;331-336.
71) Woolford SJ, **Davis MM,** Gebremariam A, Strecher V. Physicians' perspectives on increasing the use of BMI charts for young children. *Clin Pediatr (Phila).* 2008;47:573-577.
72) **Davis MM,** Wortley PM, Ndiaye SM, Cowan AE, Osta AD, Clark SJ. Vaccinating high-risk non-elderly adults against influenza: a national survey of subspecialists. *Human Vaccines.* 2008;4:229-233.
73) Zivin K, McCammon RJ, **Davis MM,** Halasyamani LK, Kales HC. Increases in Medicare prescription drug plan costs attributable to psychotropic medications. *Am J Geriatr Psychiatry.* 2008;16:674-685.
74) Dempsey AF, Cowan AE, Stokley S, Messonnier M, Clark SJ, **Davis MM.** The role of economic information in decision-making by the Advisory Committee on Immunization Practices. *Vaccine.* 2008;26:5389-5392.
75) Laroche HH, Heisler M, Forman J, Anderson M, **Davis MM.** When adults with diabetes attempt to drink less soda: resulting adult-child interactions and household changes. *J Natl Med Assoc.* 2008;100:1004-1011.
76) Caskey RN, **Davis MM**. Differences in end-of-life hospital care for children associated with age, transfer status, and insurance coverage for children. *J Hosp Med* 2008;3(5):376-83.
77) Tarini BA, Singer DC, Clark SJ, **Davis MM.** Parental concerns about genetic disease risk: the effects of family history and genetic test results. *Arch Pediatr Adolesc Med.* 2008;162:1079-1083.
78) Harari N, **Davis MM,** Heisler M. Strangers in a strange land: health care experiences for recent Latino immigrants in Midwest communities. *J Health Care Poor Underserved.* 2008;19:1350-1367.
79) **Davis MM,** McGonagle K, Schoeni RF, Stafford F. Relative associations of parental and grandparental obesity with risk of childhood overweight: implications for primary care practice. *J Am Board Fam Med.* 2008;21:549-554.
80) Patel MS, Gebremariam A, **Davis MM**. Herpes zoster-related hospitalizations and expenditures before and after introduction of varicella vaccine in the United States. *Infect Control Hosp Epidemiol* 2008;29:1157-1163.

81) Danziger S, **Davis MM**, Orzol S, Pollack HA. Health insurance and access to care among welfare leavers. *Inquiry.* 2008;45:184-197.
82) Van Cleave J, **Davis MM**. Preventive care utilization among children with and without special health care needs: associations with unmet need. *Ambul Pediatr.* 2008;8:305-311.
83) Okumura MJ, Heisler M, **Davis MM**, Cabana MD, Demonner S, Kerr EA. Comfort of general internists and general pediatricians in providing care for young adults with chronic illnesses of childhood. *J Gen Intern Med.* 2008;23:1621-1627.
84) Hoilette LK, Clark SJ, Gebremariam A, **Davis MM.** Usual source of care and unmet need among vulnerable children: 1998-2006. *Pediatrics.* 2009;123:e214-e219.
85) Yoon EY, **Davis MM**, Rocchini A, Kershaw D, Freed GL. Medical management of children with primary hypertension by pediatric subspecialists. *Pediatr Nephrol.* 2009;24:147-153.
86) Macy ML, Stanley RM, Lozon MM, Sasson C, Gebremariam A, **Davis MM.** Trends in high-turnover stays among children hospitalized in the United States – 1993-2003. *Pediatrics.* 2009;123:996-1002.
87) Woolford SJ, Gebremariam A, Clark SJ, **Davis MM.** Persistent gap of incremental charges for obesity as a secondary diagnosis in common pediatric hospitalizations. *J Hosp Med.* 2009;4:149-156.
88) Odetola F, **Davis MM,** Cohn L, Clark SJ. Interhospital transfer of critically ill and injured children: an evaluation of transfer patterns, resource utilization, and clinical outcomes. *J Hosp Med.* 2009;4:164-170.
89) Hassan F, Lewis TC, **Davis MM,** Gebremariam A, Dombkowski KJ. Hospital utilization and charges among children with influenza, 2003. *Amer J Prev Med.* 2009;36:292-296.
90) Dempsey AF, Espinosa C, **Davis MM.** Unintended vaccination of pregnant adolescents: Estimating the scope of the problem and the impact of different pregnancy testing strategies. *Vaccine.* 2009;27:3536-3543.
91) Yoon EY, **Davis MM,** Freed GL, Clark SJ. Formulary coverage for lipid-lowering drugs recommended for children. *Clinical Pediatrics.* 2009;48:609-613.
92) Lee JM, Gebremariam A, Card-Higginson P, Shaw JL, Thompson JW, **Davis MM.** Poor performance of body mass index as a marker for hypercholesterolemia in children and adolescents. *Arch Pediatr Adolesc Med.* 2009;163:716-723.
93) Tarini BA, Singer DC, Butchart AT, Clark SJ, **Davis MM.** Parents' interest in predictive genetic testing for their children when a disease has no effective treatment. *Pediatrics.* 2009;124:e432-e438.
94) Patel MS, Lypson ML, **Davis MM.** Medical student perceptions of education in health care systems. *Acad Med.* 2009;84:1301-1306.
95) Dempsey AF, Singer DC, Clark SJ, **Davis MM.** Parents' views on three shot-related visits: Implications for use of adolescent vaccines like human papillomavirus vaccine. *Acad Pediatrics.* 2009;9:348-352.
96) Yoon EY, **Davis MM,** Kershaw, D, Clark SJ. Formulary coverage for antihypertensive drugs used in children. *Am J Pharm Benefits.* 2009;1:145-149.
97) Dempsey AF, Singer DC, Clark SJ, **Davis MM.** Adolescent preventive healthcare: what do parents want? *J Pediatr.* 2009;155:689-694.
98) Laroche HH, **Davis MM,** Forman J, Palmisano G, Reisinger HS, Tannas C, Spencer M, Heisler M. Children's roles in parents' diabetes self-management. *Amer Jour Prev Med.* 2009;37(6S1):S251-S261.
99) Davis RN, Caldwell C, Clark SJ, **Davis MM.** Depressive symptoms in non-resident African American fathers and involvement with their sons. *Pediatrics.* 2009;124:1611-1618.
100) Lee JM, Pilli S, Gebremariam A, Keirns CC, **Davis MM**, Vijan S, Freed GL, Herman WH, Gurney JG. Getting heavier, younger: trajectories of obesity over the life course. *Int J Obes (Lond).* 2009

Dec 1. [Epub ahead of print]

101) Woolford SJ, Clark SJ, Ahmed AR, **Davis MM.** Feasibility and acceptability of a one-page tool to help physicians assess and discuss obesity with parents of preschoolers. *Clin Pediatr.* 2009;48:954-959.

102) Lee JM, **Davis MM,** Woolford SJ, Gurney JG. Waist circumference percentile thresholds for identifying adolescents with insulin resistance in clinical practice. *Pediatric Diabetes.* 2009;10:336-342.

103) Hollingsworth JM, **Davis MM,** West BT, Wolf JS Jr, Hollenbeck BK. Trends in medical expulsive therapy use for urinary stone disease in U.S. emergency departments. *Urology.* 2009;74:1206-1210.

104) **Davis MM,** Butchart AT, Coleman MS, Singer DC, Wheeler JRC, Pok A, Freed GL. The expanding vaccine development pipeline, 1995-2008. *Vaccine.* 2010;28:1353-1356.

105) Lancaster CA, Gold KJ, Flynn HA, Yoo H, Marcus SM, **Davis MM.** Risk factors for depressive symptoms during pregnancy: a systematic review. *Amer Jour Obstet Gyn.* 2010;5-14.

106) Schilling P, Campbell D, Englesbe M, **Davis MM.** A comparison of in-hospital mortality risk conferred by high hospital occupancy, differences in nurse staffing levels, weekend admission, and seasonal influenza. *Medical Care.* 2010;48:224-232.

107) Freed GL, Clark SJ, Butchart AT, Singer DC, **Davis MM.** Parental vaccine safety concerns in 2009. *Pediatrics.* 2010;125:654-659.

108) Macy ML, Kim CS, Sasson C, Lozon MM, **Davis MM.** Pediatric observation units in the United States: a systematic review. *Jour Hosp Med.* 2010;5:172-182.

109) Okumura MJ, Kerr EA, Cabana MD, **Davis MM,** Demonner S, Heisler M. Physician views on barriers to primary care for young adults with childhood-onset chronic disease. *Pediatrics.* 2010;125:e748-e754.

110) Freed GL, Dunham KM, Clark SJ, **Davis MM**, on behalf of the Research Advisory Committee of the American Board of Pediatrics. Perspectives and preferences regarding physician selection and board certification among the general public. *J Pediatr.* 2010;156;841-845.

111) Tarini BA, Goldenberg A, Singer D, Clark SJ, Butchart A, **Davis MM.** Not without my permission: parents' willingness to permit use of newborn screening samples for research. *Public Health Genomics.* 2010;13:125-130.

112) Lancaster CA, Flynn HA, Johnson TRB, Marcus SM, **Davis MM.** Peripartum length of stay for women with depressive symptoms during pregnancy. *Jour Women's Health.* 2010;19:31-37.

113) Woolford SJ, Clark SJ, Gebremariam A, **Davis MM,** Freed GL. To cut or not to cut: physicians' perspectives on referring adolescents for bariatric surgery. *Obes Surg.* 2010;20:937-942.

114) Sussman J, Halasyamani LK, **Davis MM.** Hospitals during recession and recovery: vulnerable institutions and quality at risk. *Jour Hosp Med.* 2010;5:302-305.

115) Odetola FO, Gebremariam A, **Davis MM.** Comorbid illnesses among critically ill hospitalized children: impact on hospital resource use and mortality, 1997-2006. *Pediatr Crit Care Med.* 2010; 11:457-463.

116) Woolford SJ, Clark SJ, Gebremariam A, **Davis MM,** Freed GL. Physicians' perspectives on referring obese adolescents to pediatric multidisciplinary weight management programs. *Clin Pediatr.* 2010;49:871-875.

117) Macy ML, Stanley RM, Sasson C, Gebremariam A, **Davis MM.** High turnover stays for pediatric asthma in the United States: analysis of the 2006 Kids' Inpatient Database. *Med Care.* 2010;48:827-833.

118) Lee JM, Gebremariam A, **Davis MM,** Kim C. Trends in hospitalizations for diabetes over the life course. *Jour Women's Health.* 2010;19:2033-2042.

119) Patel MS, **Davis MM,** Lypson ML. Advancing medical education by teaching health policy. *N Engl Jour Med.* 2011;364:695-697.

120) Eisenberg D, Freed GL, **Davis MM,** Singer D, Prosser LA. Valuing health at different ages: evidence from a nationally representative survey in the US. *Applied Health Economics & Health Policy.* 2011;9:149-156.
121) Yoon EY, Clark SJ, Singer DC, Butchart AT, **Davis MM**. Parental preferences for FDA-approved medications prescribed for their children. *Clin Pediatr.* 2011;50:208-214.
122) Davis N, **Davis MM,** Freed GL, Clark SJ. Fathers' depression related to positive and negative parenting behaviors with one-year-old children. *Pediatrics.* 2011;127:612-618.
123) Freed GL, Clark SJ, Butchart AT, Singer DC, **Davis MM.** Sources and perceived credibility of vaccine safety information for parents. *Pediatrics.* 2011;127(suppl):S107-S112.
124) Palladino CL, Flynn HA, Richardson C, Marcus SM, Johnson TRB, **Davis MM**. Lengthened pre-delivery stay and antepartum complications in women with depressive symptoms during pregnancy. *Jour Women's Health.* 2011;20:953-962.
125) Benneyworth BD, Shanley TS, Odetola F, **Davis MM.** Inpatient health care utilization for children dependent on long-term mechanical ventilation – United States, 2000-2006. *Pediatrics.* 2011;127:e1533 -e1541.
126) Macy ML, **Davis MM,** Clark SJ, Stanley R. Parental health literacy and asthma education delivery during a visit to a community-based pediatric emergency department: a pilot study. *Pediatr Emerg Care.* 2011;27:469-474.
127) Palladino CL, Fedock GL, Forman JH, **Davis MM,** Henshaw E, Flynn HA. OB CARES – The obstetric clinic and resources study: providers' perceptions of addressing perinatal depression—a qualitative study. *Gen Hosp Psych.* 2011;33:267-278.
128) Zickafoose JS, Gebremariam A, Clark SJ, **Davis MM.** Medical home disparities between children with public and private insurance. *Academic Peds.* 2011;11:305-310.
129) **Davis MM,** Walter JK. Equality in quality in the era of the Affordable Care Act. *JAMA.* 2011:306:872-873.
130) Hassan F, **Davis MM,** Chervin RD. No independent association between insufficient sleep and childhood obesity in the National Survey of Children's Health. *J Clin Sleep Med.* 2011;7:153-157.
131) Dempsey AF, Schaffer S, Singer D, Butchart A, **Davis MM,** Freed GL. Alternative vaccination schedule preferences among parents of young children. *Pediatrics.* 2011;128:848-856.
132) **Davis MM,** Butchart AT, Wheeler JRC, Coleman MS, Singer DC, Freed GL. Failure-to-success ratios, transition probabilities and phase lengths for prophylactic vaccines versus other pharmaceuticals in the development pipeline. *Vaccine.* 2011;29:9414-9416.
133) Dayoub EJ, **Davis MM.** Relationship of therapeutic cancer vaccine development to population disease burden and five-year survival. *Human Vaccines.* 2011;7:1124-1129.
134) Odetola FO, Clark SJ, Lamarand KE, **Davis MM,** Garton HJ. Intracranial pressure monitoring in childhood meningitis with coma: a national survey of neurosurgeons in the United States. *Pediatr Crit Care Med.* 2011;12:e350-356.
135) Espinosa CM, **Davis MM,** Gilsdorf JR. Anaerobic osteomyelitis in children. *Pediatr Infect Dis J.* 2011;30:422-423.
136) Zickafoose JS, Benneyworth B, Riebschleger MP, Espinosa CE, **Davis MM.** Hospitalizations for intussusception before and after re-introduction of rotavirus vaccine in the United States. *Arch Pediatr Adolesc Med.* 2012;166:350-355.
137) Myrvik MP, Campbell AD, **Davis MM,** Butcher JL. Impact of psychiatric diagnoses on hospital length of stay in children with sickle cell anemia. *Pediatr Blood Cancer.* 2012;58:239-243.
138) Sun GH, **Davis MM**. The Patient Protection and Affordable Care Act of 2010: impact on otolaryngology practice and research. *Otolaryngol Head Neck Surg.* 2012 Jan 26. [Epub ahead of print]
139) Abir M, Choi H, Cooke CR, Wang SC, **Davis MM.** Effect of a mass casualty incident: clinical

outcomes and hospital charges for casualty patients versus concurrent inpatients. *Acad Emerg Med.* 2012;19:280-286.

140) Zickafoose JS, Gebremariam A, **Davis MM.** Medical home disparities for children by insurance type and state of residence. *Matern Child Health Jour.* 2012;16 Suppl 1:S178-S187.

141) Patrick SW, Schumacher RE, Benneyworth BD, Krans EE, McAllister JM, **Davis MM.** Neonatal abstinence syndrome and associated health care expenditures. *JAMA.* 2012;307:1934-1940.

142) Danziger P, **Davis MM.** Mandatory influenza vaccination programs for health care personnel in NACHRI-associated children's hospitals vs. non-children's hospitals. *Human Vaccines Immunotherapeutics.* 2012;8:731-735.

143) Singer DC, **Davis MM,** Gebremariam A, Clark SJ. Underinsurance for recently recommended vaccines in private health plans. *Jour Community Health.* 2012;37:1164-1167.

144) Macy ML, Clark SJ, Freed GL, Butchart AT, Singer DC, Sasson C, Meurer WJ, **Davis MM.** Carpooling and booster seats: a national survey of parents. *Pediatrics.* 2012;129:290-298.

145) Weinberg SH, Butchart AT, **Davis MM.** Size of clinical trials and introductory prices of prophylactic vaccine series. *Human Vaccines Immunotherapeutics.* 2012;8:1066-1070.

146) Patrick SW, Choi H, **Davis MM.** Increase in federal match associated with significant gains in coverage for children through Medicaid and SCHIP. *Health Affairs.* 2012;31:1796-1802.

147) Gowda C, Carlos RC, Butchart AT, Singer DC, **Davis MM,** Clark SJ, Dempsey AF. CHIAS: a standardized measure of parental HPV immunization attitudes and beliefs and its associations with vaccine uptake. *Sexual Transmit Dis.* 2012:39:475-481.

148) Sears ED, **Davis MM,** Chung KC. Relationship between timing of emergency procedures and limb amputation in patients with open tibia fracture in the United States, 2003 to 2009. *Plast Reconst Surg.* 2012;130:369-378.

149) Patrick SW, Schumacher RE, **Davis MM.** Variation in lumbar punctures for early onset neonatal sepsis: a nationally representative serial cross-sectional analysis, 2003-2009. *BMC Pediatrics.* 2012:12:134. DOI: 10.1186/1471-2431-12-134.

150) Patel MS, **Davis MM,** Lypson ML. The VALUE framework: training residents to provide value-based care for their patients. *Jour Gen Intern Med.* 2012;27:1210-1214.

151) Sears ED, Burke JF, **Davis MM,** Chung K. The influence of procedure delay on resource utilization: a national study of patients with open tibial fracture. *Plast Reconst Surg.* 2013;131:553-563.

152) **Davis MM,** Clark SJ, Butchart AT, Singer DC, Shanley TP, Gipson DS. Public participation in, and awareness about, medical research opportunities in the era of clinical and translational research. *Clin Transl Sci.* 2013;6:88-93.

153) Jensen KM, **Davis MM.** Health care in adults with Down syndrome: a longitudinal cohort study. *Jour Intell Disability Res.* 2013;57:947-958.

154) Woolford SJ, Clark SJ, Butchart A, Geiger JD, **Davis MM,** Fagerlin A. To pay or not to pay: public perception regarding insurance coverage of obesity treatment. *Obesity.* 2013;21:E709-E714.

155) Jensen KM, **Davis MM,** Cooke CM. Fidelity of administrative data when researching Down syndrome. *Medical Care.* 2013 Jan 25. [epub ahead of print]

156) Auger K, Kahn R, **Davis MM,** Beck A, Simmons J. Medical home quality and readmission risk for children hospitalized with asthma exacerbations. *Pediatrics.* 2013;131:64-70.

157) Sun GH, Auger KA, Aliu O, Patrick SW, Demonner S, **Davis MM.** Posttonsillectomy hemorrhage in children with von Willebrand disease or hemophilia. *JAMA Otolaryngol Head Neck Surg.* 2013;139:245-249.

158) Abir M, **Davis MM,** Sankar P, Wong AC, Wang SC. Design of a model to predict surge capacity bottlenecks for burn mass casualties at a large academic medical center. *Prehosp Disaster Med.* 2013;28:23-32.

159) Jensen KM, Taylor LC, **Davis MM.** Primary care for adults with Down syndrome: adherence to

preventive healthcare recommendations. *Jour Intell Disability Res.* 2013;57:409-421.

160) Pynnonen M, **Davis MM.** Extent of sinus surgery, 2000 to 2009: a population-based study. *Laryngoscope.* 2013;[epub ahead of print].

161) Krans EE, **Davis MM,** Palladino CL. Disparate patterns of prenatal care utilization stratified by medical and psychosocial risk. *Matern Child Health J.* 2013;17:639-645.

162) Aliu O, **Davis MM,** Demonner S, Chung KC. The influence of evidence in the surgical treatment of thumb basilar joint arthritis. *Plast Reconstr Surg.* 2013;131:816-828.

163) Goldenberg AJ, Dodson DS, **Davis MM,** Tarini BA. Parents' interest in whole-genome sequencing of newborns. *Genet Med.* 2013;[epub ahead of print].

164) Patrick SW, Schumacher RE, **Davis MM.** Methods of mortality risk adjustment in the NICU: a 20-year review. *Pediatrics.* 2013;131:S68-S74.

165) DeCamp LR, Kieffer E, Zickafoose JS, DeMonner S, Valbuena F, **Davis MM,** Heisler M. The voices of limited English proficiency mothers on pediatric primary care: lessons for the medical home. *Matern Child Health Jour.* 2013;17:95-109.

166) Patrick SW, **Davis MM,** Sedman AB, Meddings JA, Hieber S, Lee GM, Stillwell TL, Chenoweth CE, Espinosa CM, Schumacher RE. Accuracy of hospital administrative data in reporting central line-associated bloodstream infections in newborns. *Pediatrics.* 2013;131:S75-S80.

167) Sun GH, Auger KA, Aliu O, Patrick SW, Demonner S, **Davis MM.** Variation in inpatient tonsillectomy costs within and between US hospitals attributable to postoperative complications. *Med Care.* 2013;51:1048-1054.

168) Zickafoose JS, **Davis MM.** Medical home disparities are not created equal: differences in the medical home for children from different vulnerable groups. *J Health Care Poor Underserved.* 2013;24:1331-1343.

169) Walter JK, Benneyworth BD, Housey M, **Davis MM.** The factors associated with high-quality communication for critically ill children. *Pediatrics.* 2013;131:S90-S95.

170) Krans EE, **Davis MM,** Schwarz EB. Psychosocial risk, prenatal counseling and maternal behavior: findings from PRAMS, 2004-2008. *Am J Obstet Gynecol.* 2013;208:141.e1-e7.

171) Gaies MG, Jacobs JP, Cotts TB, **Davis MM.** The Patient Protection and Affordable Care Act: impact on care to patients with paediatric and congenital cardiac disease. *Cardiol Young.* 2013;10:1-4.

172) Walter JK, Burke JF, **Davis MM.** Research participation by low-income and race/ethnic minority groups: how payment may change the balance. *Clin Trans Sci.* 2013;6:363-371.

173) Sun GH, Demonner S, **Davis MM.** Epidemiological and economic trends in inpatient and outpatient thyroidectomy in the United States, 1996-2006. *Thyroid.* 2013;23:727-733.

174) Chang T, Choi H, Richardson CR, **Davis MM.** Implications of teen birth for overweight and obesity in adulthood. *Am J Obstet Gynecol.* 2013;110:e1-e7.

175) Heisler M, Halasyamani L, Cowen ME, **Davis MM,** Resnicow K, Strawderman RL, Choi H, Mase R, Piette JD. Randomized controlled effectiveness trial of reciprocal peer support in heart failure. *Circ: Heart Failure.* 2013:6:246-253.

176) Chang T, **Davis MM.** Potential adult Medicaid beneficiaries under the Patient Protection and Affordable Care Act compared with current adult Medicaid beneficiaries. *Ann Fam Med.* 2013;11:406-411.

177) Haggins A, Patrick S, Demonner S, **Davis MM.** When coverage expands: children's health insurance program as a natural experiment in use of health care services. *Acad Emerg Med.* 2013;20:1026-1032.

178) Auger KA, Patrick SW, **Davis MM.** Infant hospitalizations for pertussis before and after Tdap recommendations for adolescents. *Pediatrics.* 2013;132:5:e1149-e1155.

179) Cobb EM, Singer DC, **Davis MM.** Public interest in medical research participation: differences by volunteer status and study type. *Clin Trans Sci.* 2014;7:145-149.

180) Goldenberg AJ, Dodson DS, **Davis MM,** Tarini BA. Parents' interest in whole-genome sequencing of newborns. *Genet Medicine.* 2014:16:78-84.
181) Hanauer DA, Zheng K, Singer DC, Gebremariam A, **Davis MM.** Public awareness, perception, and use of online physician rating sites. *JAMA.* 2014;311:734-735.
182) Mueller EL, Park ER, **Davis MM.** What the Affordable Care Act means for survivors of pediatric cancer. *Jour Clin Oncol.* 2014;32:615-617.
183) Moniz MH, Chang T, **Davis MM.** Attitudes about mandated coverage of birth control medication and other health benefits in a US national sample. *JAMA.* 2014;311:2539-2541.
184) Hashikawa AN, Brousseau DC, Singer DC, Gebremariam A, **Davis MM.** Emergency department and urgent care for children excluded from child care. Pediatrics. 2014; 134(1):e120-7.
185) Auger KA, Kenyon CC, Feudtner C, **Davis MM.** Pediatric hospital discharge interventions to reduce subsequent utilization: a systematic review. *J Hosp Med.* 2014;9:251-260.
186) Sekhar DL, Clark SJ, **Davis MM,** Singer DC, Paul IM. Parental perspectives on adolescent hearing loss risk and prevention. *JAMA Otolaryngol Head Neck Surg.* 2014;140:22-28.
187) Krans EE, **Davis MM.** Strong Start for mothers and newborns: implications for prenatal care delivery. *Curr Opin Obstet Gynecol.* 2014; 511-515.
188) Kircher SM, Johansen ME, Nimeiri HS, Richardson CR, **Davis MM.** Impact of Medicare Part D on out-of-pocket drug costs and medical use for patients with cancer. *Cancer.* 2014;120:3378-3384.
189) Auger KA, Kahn RS, **Davis MM,** Simmons JM. Pediatric asthma readmission: asthma knowledge is not enough? *J Pediatr.* 2014;166:101-108.
190) Clark SA, Shoulders EN, **Davis MM.** Infant pertussis prevention information on Web sites of Michigan birthing hospitals. *Am Jour Inf Cntrl.* 2014;42:1241-1243.
191) Sandberg KC, **Davis MM,** Gebremariam A, Adler J. Increasing hospitalizations in inflammatory bowel disease among children in the United States, 1988-2011. *Inflamm Bowel Dis.* 2014;20:1754-1760.
192) Hanauer DA, Zheng K, Singer DC, Gebremariam A, **Davis MM.** Parental awareness and use of online physician rating sites. *Pediatrics.* 2014;134:e966-975.
193) Patrick SW, Kaplan HC, Passarella M, **Davis MM,** Lorch SA. Variation in treatment of neonatal abstinence syndrome in US children's hospitals. *J Perinatol.* 2014;34:867-872.
194) Sun GH, MacEachern MP, Perla RJ, Gaines JM, **Davis MM,** et al. Health care quality improvement publication trends. *Am Jour Med Qual.* 2014;29:403-407.
195) Barbaro RP, Odetola FO, Kidwell KM, Paden ML, Bartlett RH, **Davis MM*,** Annich GM* (*=joint senior authorship). Association of hospital-level volume of extracorporeal membrane oxygenation cases and mortality: analysis of the extracorporeal life support organization registry. *Am J Respir Crit Care Med.* 2015;191:894-901.
196) Jensen KM, Sevick CJ, Seewald LAS, Halbower AC, **Davis MM,** McCabe ERB, et al. Greater risk of hospitalization in children with Down syndrome and OSA at higher elevation. *Chest.* 2015;147:1344-1351.
197) Patrick SW, **Davis MM,** Lehman CU, Cooper WO. Increasing incidence and geographic distribution of neonatal abstinence syndrome: United States 2009 to 2012. *J Perinatol.* Published online first 30 Apr 2015; doi:10.1038/jp.2015.36.
198) Krans EE, Moloci NM, Housey MT, **Davis MM.** Impact of psychosocial risk factors on prenatal care delivery: a national provider survey. *Matern Child Health J.* 2014;18:2362-2370
199) Pynonnen MA, Lynn S, Kern HE, Novis SJ, Akkina SR, Keshavarzi NR, **Davis MM.** Diagnosis and treatment of acute sinusitis in the primary care setting: a retrospective cohort. *Laryngoscope.* 2015; published online first 22 May 2015;doi:10.1002/lary.25363.
200) Auger KA, Jerardi KE, Simmons JE, **Davis MM,** O'Toole JK, Sucharew HJ. It's complicated: overcoming statistical challenges of group learning in medical education research. *J Grad Med Ed.*

2015;7:326-330.

201) Auger KA, **Davis MM.** Pediatric weekend admission and increased unplanned readmission rates. *J Hosp Med.* Published online first 18 Sep 2015, DOI: 10.1002/jhm.2426.

Editorials and Commentaries (non-peer-reviewed)

1) **Davis MM,** Lantos JD. Ethical considerations in the public policy laboratory. *JAMA.* 2000;284:85-87.
2) **Davis MM,** Kemper AR. Valuing childhood vaccines. *J Pediatr.* 2003;143:283-284.
3) **Davis MM.** Race-based immunization recommendations and the potential to reduce racial disparities. *JAMA.* 2004;291:2253-2255.
4) **Davis MM,** Szilagyi PG. Can quality improvement reach into pockets of need for childhood immunizations? *Ambul Pediatr* 2004;4:224-225.
5) **Davis MM.** Planning the next wave of SCHIP research. *Pediatrics.* 2005;115:492-494.
6) **Davis MM.** Varicella vaccine, cost-effectiveness analyses, and vaccination policy. *JAMA.* 2005;294:845-846.
7) Van Cleave J, Kemper AR, **Davis MM.** Interpreting negative results from an underpowered clinical trial: warts and all. *Arch Pediatr Adolesc Med.* 2006;160:1126-1129.
8) Garfield CF, Clark-Kauffman E, **Davis MM.** Fatherhood as a component of men's health. *JAMA.* 2006;296:2365-2368.
9) **Davis MM.** Cardiac rehabilitation as a site for influenza vaccination? *J Cardiopulm Rehabil Prev.* 2007;27:210-211.
10) **Davis MM.** Reasons and remedies for underinsurance for childhood and adolescent vaccines. *JAMA.* 2007;298:680-682.
11) **Davis MM,** Brosco JP. Being specific about being special: definitions of childhood chronic conditions and children with special health care needs. *Arch Pediatr Adolesc Med.* 2007;161:1003-1005.
12) **Davis MM.** Challenges in cost-effectiveness analyses of hospital interventions to improve quality. *Infect Control Hosp Epidemiol.* 2008;29:395-397.
13) **Davis MM,** Shah S. Necessary innovations in immunization delivery. *Arch Pediatr Adolesc Med.* 2009;163:483-485.
14) Shah S, **Davis MM.** Old disease, innovative response: accelerating infant vaccination during a community pertussis outbreak. *JAMA.* 2009;301:2260-2261.
15) Rivara FP, **Davis MM.** Archives journal club just a click away. *Arch Pediatr Adolesc Med.* 2009;163:957.
16) **Davis MM.** Medicaid, underinsurance, and the dawn of an era for children's coverage. *Pediatrics.* 2010;125:817-819.
17) **Davis MM.** Price as a double-edged sword in the golden era of vaccines. *Human Vaccines.* 2010;6:689-693.
18) **Davis MM.** The conundrum of combination vaccines. *Arch Pediatr Adolesc Med.* 2010;164:1171-1172.
19) Chopra V, **Davis MM.** In search of equipoise. *JAMA.* 2011;305:1234-1235.
20) **Davis MM,** Dayoub E. A strategic approach to therapeutic cancer vaccines in the 21st century. *JAMA.* 2011;305:2343-2344.
21) **Davis MM,** CP Gross, CM Clancy. Building a bridge to somewhere better: linking health care research and health policy. *Health Services Res.* 2012:47:329-336.
22) Krans EE, **Davis MM.** *Preventing Low Birthweight:* 25 years, prenatal risk, and the failure to reinvent prenatal care. *Amer Jour Obstet Gynecol.* 2012;206:398-403.

23) Christakis DA, Joffe A, Keren R, **Davis MM,** Shah SS, Rivara FP. Introducing *JAMA Pediatrics. Arch Pediatr Adolesc Med.* 2012;166:663.
24) **Davis MM,** Riebschleger MP. The next century of children's health care: addressing disparities, workforce deficiencies, and undercoordinated services. *Arch Pediatr Adolesc Med.* 2011;165:1067-1068.
25) Vickery KD, Sauser K, **Davis MM.** Policy responses to demand for health care access: from the individual to the population. *JAMA.* 2013;309:665-666.
26) Patrick SW, **Davis MM.** Reformulating the federal match as a key to the sustainability of Medicaid. *JAMA Pediatr.* 2013;167:218-220.
27) **Davis MM.** Stunting the growth of child health research: a need to reframe "children are not small adults." *JAMA Pediatr.* 2013;167:598-599.

Non-Peer-Reviewed Publications and Published Letters

1) **Davis MM**. Music as a means of public health education among Guatemalan schoolchildren. Honors thesis, Harvard Medical School, Boston, 1994.
2) **Davis, MM.** Health through song: Outreach workers in Benin and Guatemala use lyrics to promote health. *Harv Med Alumni Bull.* 1999;73:36-41.
3) **Davis MM.** Health behaviors (helping patients change). In: *Pocket Primary Care.* LK Halasyamani, BP Lucas, eds. Philadelphia: Lippincott Williams & Wilkins, 2001. pp. 4-5.
4) **Davis MM.** Effects and ethics of sanctions on childhood immunization rates. *JAMA.* 2000;284:2057. [letter]
5) **Davis MM,** Bruckman D, Cabana MD, Clark SJ, Dombkowski KJ, Kemper AR, Rushton JL, Freed GL. Constructive use of race and ethnicity variables. *Arch Pediatr Adol Med.* 2001;155:973. [letter]
6) **Davis MM,** Kemper AR. Valuing vaccines. *J Pediatr.* 2004;145:568. [letter]
7) **Davis MM.** Effect of pneumococcal vaccination on quality of life in children with recurrent acute otitis media: a randomized, controlled trial. *J Pediatr.* 2005;147:124-125. [comment]
8) **Davis MM.** Cost-effectiveness of conjugate meningococcal vaccination strategies in the United States. *J Pediatr.* 2005;147:407-408. [comment]
9) **Davis MM.** Acellular pertussis vaccine is protective for adolescents and adults. *J Pediatr.* 2006;148:417. [comment]
10) **Davis MM,** Patel MS, Halasyamani LK. Medicare prescription drug plan costs and affordability. *J Gen Intern Med.* 2007;available at: http://www.springerlink.com/content/a8v3r3712v7732v1/fulltext.pdf.
11) Patrick SW, Schumacher RE, **Davis MM.** Neonatal abstinence syndrome—reply. *JAMA.* 2012;308:762-764. [letter]

Research and Policy Briefs (non-peer reviewed)

1) **Davis MM,** Hibbard JH, Milstein A. Consumer tolerance for inaccuracy in physician performance ratings: one size fits none. Center for Studying Health System Change, Washington, DC: Issue Brief No. 110, March 2007. Available at: http://www.hschange.org/CONTENT/921/.
2) **Davis MM,** Singer DC, Clark SJ. More children expected to seek care at retail clinics. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 1, Issue 1, April 2007. Available at: http://www.med.umich.edu/mott/research/chearretailpoll.html
3) **Davis MM,** Singer DC, Clark SJ. Smoking, drugs, and obesity top public's list of health problems for children. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 1, Issue 2, May 2007. Available at:

http://www.med.umich.edu/mott/research/chearhealthconcernpoll.html

4) **Davis MM,** Singer DC, Clark SJ. Majority of parents not in favor of state HPV vaccine mandates. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 1, Issue 3, May 2007. Available at: http://www.med.umich.edu/mott/research/chearhpvvaccine.html
5) **Davis MM,** Tarini B, Singer DC, Clark SJ. DNA biobanks and genetic testing – for whom, and when? C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 1, Issue 4, June 2007. Available at: http://www.med.umich.edu/mott/research/cheargenetictesting.html
6) **Davis MM,** Singer DC, Clark SJ. Covering families: how generous should SCHIP be? C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 1, Issue 5, August 2007. Available at: http://www.med.umich.edu/mott/research/chearschip.html
7) **Davis MM,** Singer DC, Clark SJ. Flu vaccination among children may reach all-time high this year. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 2, Issue 1, October 2007. Available at: http://www.med.umich.edu/mott/research/chearflupoll.html
8) **Davis MM,** Singer DC, Clark SJ. Do high gas prices lead to less health care for kids? C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 2, Issue 2, November 2007. Available at: http://www.med.umich.edu/mott/research/cheargascard.html
9) **Davis MM,** Singer DC, Clark SJ. Parental concerns about childhood obesity: time for a reality check? C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 2, Issue 3, December 2007. Available at: http://www.med.umich.edu/mott/research/chearbmi.html.
10) **Davis MM,** Dempsey A, Singer DC, Clark SJ. Adolescent check-ups: parents want diet, drugs, and sex discussed. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 2, Issue 4, January 2008. Available at: http://www.med.umich.edu/mott/research/chearcheckup.html.
11) **Davis MM,** Singer DC, Clark SJ. Adults and kids less protected than anticipated against the flu. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 3, Issue 1, January 2008. Available at: http://www.med.umich.edu/mott/research/chearfluupdate.html.
12) **Davis MM,** Singer DC, Butchart A, Clark SJ. Nearly 70 million Americans using discount generic prescription drug programs. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 3, Issue 2, February 2008. Available at: http://www.med.umich.edu/mott/research/cheardgrxprogram.html.
13) **Davis MM,** Singer DC, Butchart A, Clark SJ. Child health threats: are consumer alerts enough? C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 3, Issue 3, March 2008. Available at: http://www.med.umich.edu/mott/research/chearconsumeralerts.html.
14) **Davis MM,** Yoon EY, Singer DC, Butchart A, Clark SJ. Ask the doctor: Is my child's medicine FDA-approved? C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 3, Issue 4, April 2008. Available at: http://www.med.umich.edu/mott/research/chearFDAapprovedmedicines.html.
15) **Davis MM,** Singer DC, Butchart A, Clark SJ. Children in research: many parents willing if risk of harm is small. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 3, Issue 5, May 2008. Available at: http://www.med.umich.edu/mott/research/chearChildrenInResearch.html.
16) **Davis MM,** Singer DC, Butchart A, Clark SJ. Summer safety for 'tweens' home alone. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 4, Issue 1, June 2008. Available at: http://www.med.umich.edu/mott/research/chearSummerSafety.html.
17) **Davis MM,** Singer DC, Butchart A, Clark SJ. Obesity tops list of biggest health problems for kids in 2008. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan.

Vol 4, Issue 2, July 2008. Available at: http://health.med.umich.edu/body.cfm?id=415.

18) **Davis MM,** Singer DC, Butchart A, Clark SJ. Retail clinics: an emerging source of health care for children. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 4, Issue 3, August 2008. Available at: http://health.med.umich.edu/body.cfm?id=480.
19) **Davis MM,** Singer DC, Butchart A, Clark SJ. Bullying worries parents of overweight and obese children. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 4, Issue 4, September 2008. Available at: http://health.med.umich.edu/home_npch.cfm?id=325.
20) **Davis MM,** Singer DC, Butchart A, Clark SJ. Who do voters prefer for children's health issues? C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 5, Issue 1, October 2008. Available at: http://health.med.umich.edu/body.cfm?id=507.
21) **Davis MM,** Singer DC, Butchart A, Clark SJ. Knowledge key to support for embryonic stem cell research. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 5, Issue 2, October 2008. Available at: http://health.med.umich.edu/body.cfm?id=514.
22) **Davis MM,** Singer DC, Butchart A, Clark SJ. Parents of high school athletes speak out on performance-enhancing drugs. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 5, Issue 3, November 2008. Available at: http://health.med.umich.edu/body.cfm?id=521.
23) **Davis MM,** Singer DC, Butchart A, Clark SJ. Mental health services for children and adolescents: missed opportunities in primary care & barriers to specialty care. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 5, Issue 4, December 2008. Available at: http://health.med.umich.edu/body.cfm?id=529.
24) **Davis MM,** Singer DC, Butchart A, Clark SJ. For 12 million uninsured children, high barriers to dental care. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 5, Issue 5, February 2009. Available at: http://health.med.umich.edu/body.cfm?id=538.
25) **Davis MM,** Singer DC, Butchart A, Clark SJ. Private insurance in peril: millions of parents worried about costs, coverage. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 6, Issue 1, March 2009. Available at: http://health.med.umich.edu/body.cfm?id=547.
26) **Davis MM,** Singer DC, Butchart A, Clark SJ. Sweet danger – public links alcopops, underage drinking. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 6, Issue 2, April 2009. Available at: http://health.med.umich.edu/workfiles/npch/040609report.pdf.
27) O'Malley AS, Tynan A, Cohen G, Kemper NM, **Davis MM.** Coordination of care by primary care practices: strategies, lessons and implications. Center for Studying Health System Change, Research Brief No. 12. Available at: http://www.hschange.org/CONTENT/1058/1058.pdf.
28) **Davis MM,** Leo H, Singer DC, Butchart A, Clark SJ. Are schools doing enough for food-allergic kids? C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 6, Issue 3, May 2009. Available at: http://health.med.umich.edu/home_npch.cfm?id=325.
29) **Davis MM,** Singer DC, Butchart A, Clark SJ. Bicycle helmet laws effective but not yet the norm. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 6, Issue 4, June 2009. Available at: http://health.med.umich.edu/home_npch.cfm?id=325.
30) **Davis MM,** Singer DC, Butchart A, Clark SJ. For kids, hard economic times mean more stress, fewer doctor visits. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 7, Issue 1, July 2009. Available at: http://health.med.umich.edu/body.cfm?id=586.
31) **Davis MM,** Singer DC, Butchart A, Clark SJ. Public concern rising about childhood obesity. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 7, Issue 2, August 2009. Available at: http://www.med.umich.edu/mott/npch/reports/publicconcern.htm.

32) **Davis MM,** Singer DC, Butchart A, Clark SJ. Healthy food choices: can schools improve their grades? C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 7, Issue 3, August 2009. Available at: http://www.med.umich.edu/mott/npch/reports/foodchoice.htm.
33) **Davis MM,** Singer DC, Butchart A, Clark SJ. Parents pan school performance on bullying prevention. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 7, Issue 4, September 2009. Available at: http://www.med.umich.edu/mott/npch/reports/safeschool.htm.
34) **Davis MM,** Singer DC, Butchart A, Clark SJ. Parents may underestimate the risks of H1N1 flu for their children. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 8, Issue 1, September 2009. Available at: http://www.med.umich.edu/mott/npch/reports/h1n1.htm.
35) **Davis MM,** Singer DC, Butchart A, Clark SJ. Public to health care workers: get your H1N1 vaccine. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 8, Issue 2, October 2009. Available at: http://www.med.umich.edu/mott/npch/reports/flushot.htm.
36) **Davis MM,** Singer DC, Butchart A, Clark SJ. Internet predators, privacy and porn concern parents. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 8, Issue 3, November 2009. Available at: http://www.med.umich.edu/mott/npch/reports/internetsafety.htm.
37) **Davis MM,** Singer DC, Butchart A, Clark SJ. In age of 'sexting', parents weigh options to block inappropriate content. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 8, Issue 4, December 2009. Available at: http://www.med.umich.edu/mott/npch/reports/cellphone.htm.
38) **Davis MM,** Singer DC, Butchart A, Clark SJ. Health care provider recommendations key to H1N1 vaccination. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 9, Issue 1, January 2010. Available at: http://www.med.umich.edu/mott/npch/reports/h1h1vac.htm.
39) **Davis MM,** Singer DC, Butchart A, Clark SJ. Is the vaccine worse than the disease? C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 9, Issue 2, February 2010. Available at: http://www.med.umich.edu/mott/npch/reports/h1n1immunization.htm.
40) **Davis MM,** Macy ML, Singer DC, Butchart A, Clark SJ. Many parents not using booster seats, unaware of state laws for kids 4-8 years old. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 9, Issue 3, March 2010. Available at: http://www.med.umich.edu/mott/npch/reports/boosterseat.htm.
41) **Davis MM,** Singer DC, Butchart A, Clark SJ. Speak or spank? More parents choose reasoning than physical discipline. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 9, Issue 4, April 2010. Available at: http://www.med.umich.edu/mott/npch/reports/spank.htm.
42) **Davis MM,** Singer DC, Butchart A, Clark SJ. "ePediatrics": Parents want more communication with their kids' doctors. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 9, Issue 5, May 2010. Available at: http://www.med.umich.edu/mott/npch/reports/communication.htm.
43) Clark SJ, Singer DC, Butchart A, **Davis MM**. Concussions in school sports: parents ill-prepared for role in reducing kids' risks. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 10, Issue 1, June 2010. Available at: http://www.med.umich.edu/mott/npch/reports/concussions.htm.
44) Tarini BA, **Davis MM,** Singer DC, Butchart A, Clark SJ. Most parents interested in at-home genetic testing for their kids. C.S. Mott Children's Hospital National Poll on Children's Health, University of

Michigan. Vol 10, Issue 2, July 2010. Available at: http://www.med.umich.edu/mott/npch/reports/genetic.htm.

45) **Davis MM,** Singer DC, Butchart A, Clark SJ. Obesity, stress, teen pregnancy top children's health problems and getting worse. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 10, Issue 3, August 2010. Available at: http://www.med.umich.edu/mott/npch/reports/topten.htm.
46) **Davis MM,** Singer DC, Butchart A, Clark SJ. For e-cigarettes, public supports health warnings and ban on sales to minors. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 10, Issue 4, September 2010. Available at: http://www.med.umich.edu/mott/npch/reports/ecigaretts.htm.
47) **Davis MM,** Singer DC, Butchart A, Clark SJ. Parent views on medical research—safety of vaccines and medicines top priorities. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 11, Issue 1, October 2010. Available at: http://www.med.umich.edu/mott/npch/reports/medicalresearch.htm.
48) **Davis MM,** Singer DC, Butchart A, Clark SJ. Gun shy? 14 million parents have never talked gun safety with their kids. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 11, Issue 2, November 2010. Available at: http://www.med.umich.edu/mott/npch/reports/gunshy.htm.
49) **Davis MM,** Singer DC, Butchart A, Clark SJ. Strong public support for innovative programs to prevent teen pregnancy. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 11, Issue 3, January 2011. Available at: http://www.med.umich.edu/mott/npch/reports/pregnancy.htm.
50) **Davis MM,** Lewis TC, Hershenson M, Singer DC, Butchart A, Clark SJ. Tobacco: a smoking gun for kids' asthma attacks. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 11, Issue 4, January 2011. Available at: http://www.med.umich.edu/mott/npch/reports/smoking.htm.
51) **Davis MM,** Singer DC, Butchart A, Clark SJ. Despite warnings, parents continue to use cough and cold medicines for young kids. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 12, Issue 1, February 2011. Available at: http://www.med.umich.edu/mott/npch/reports/coldmed.htm.
52) **Davis MM,** Singer DC, Butchart A, Clark SJ. Parents wants explanations, not scare tactics, from the media about children's health. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 12, Issue 2, March 2011. Available at: http://www.med.umich.edu/mott/npch/reports/explanation.htm.
53) **Davis MM,** Singer DC, Butchart A, Clark SJ. Gym gone but not forgotten? Parents want more physical activity at school for kids. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 12, Issue 3, April 2011. Available at: http://www.med.umich.edu/mott/npch/reports/gym.htm.
54) **Davis MM,** Woolford SJ, Singer DC, Butchart A, Clark SJ. Bariatric surgery for teens: how young is too young? C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 12, Issue 4, May 2011. Available at: http://www.med.umich.edu/mott/npch/reports/bariatric.htm.
55) **Davis MM,** Singer DC, Butchart A, Clark SJ. Few parents enforce shower-before-pool rules that prevent illness from water parks. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 13, Issue 1, June 2011. Available at: http://www.med.umich.edu/mott/npch/reports/watersafety.htm.
56) **Davis MM,** Singer DC, Butchart A, Clark SJ. Most parents unaware of research opportunities for their children. C.S. Mott Children's Hospital National Poll on Children's Health, University of

Michigan. Vol 13, Issue 2, July 2011. Available at: http://www.med.umich.edu/mott/npch/reports/researchopp.htm.

57) **Davis MM,** Singer DC, Butchart A, Kauffman AD, Clark SJ. Drug abuse now equals childhood obesity as top health concern for kids. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 13, Issue 3, August 2011. Available at: http://www.med.umich.edu/mott/npch/reports/topten2011.htm.
58) **Davis MM,** Biermann B, Marcus S, Hua L, Singer DC, Butchart A, Kauffman AD, Clark SJ. Parents say, "Other teens drink and use marijuana, but my kids don't." C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 13, Issue 4, September 2011. Available at: http://www.med.umich.edu/mott/npch/reports/substanceuse.htm .
59) Macy ML, **Davis MM,** Singer DC, Butchart A, Kauffman AD, Clark SJ. Parents turning car seats to face forward too early. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 13, Issue 5, September 2011. Available at: http://www.med.umich.edu/mott/npch/reports/carseats.htm.
60) **Davis MM,** Singer DC, Butchart A, Kauffman AD, Clark SJ. Many young children off to a poor start with dental health. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 13, Issue 6, October 2011. Available at: http://www.med.umich.edu/mott/npch/reports/dentalhealth.htm.
61) **Davis MM,** Mohr B, Markman L, Singer DC, Butchart A, Kauffman AD, Clark SJ. Many infants at risk in unsafe sleep settings. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 13, Issue 7, November 2011. Available at http://mottnpch.org/reports-surveys/many-infants-risk-unsafe-sleep-settings.
62) Clark SJ, Sekhar DL, Singer DC, Butchart A, Kauffman AD, **Davis MM**. Silent risk: most parents and teens not talking about noise-induced hearing loss. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 14, Issue 1, December 2011. Available at: http://mottnpch.org/reports-surveys/silent-risk-most-parents-and-teens-not-talking-about-noise-induced-hearing-loss.
63) **Davis MM,** Rosen DS, Christner J, Singer DC, Butchart A, Kauffman AD, Clark SJ. School obesity programs may promote worrisome eating behaviors and physical activity. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 14, Issue 2, January 2012. Available at: http://mottnpch.org/reports-surveys/school-obesity-programs-may-promote-worrisome-eating-behaviors-and-physical-activity.
64) Clark SJ, Singer DC, Butchart A, Kauffman AD, **Davis MM**. Too much of a good thing? Kids in low-income families drink more juice than recommended. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 14, Issue 3, February 2012. Available at: http://mottnpch.org/reports-surveys/too-much-good-thing-kids-low-income-families-drink-more-juice-recommended.
65) **Davis MM,** Singer DC, Butchart A, Kauffman AD, Clark SJ. For youth sexting: public supports education, not criminal charges. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 15, Issue 1, March 2012. Available at: http://www.mottnpch.org/reports-surveys/youth-sexting-public-supports-education-not-criminal-charges.
66) **Davis MM,** Singer DC, Butchart A, Kauffman AD, Clark SJ. Easy-access medicines a poisoning risk for kids at home. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 15, Issue 2, April 2012. Available at: http://www.mottnpch.org/reports-surveys/easy-access-medicines-poisoning-risk-kids-home.
67) Clark SJ, Singer DC, Butchart A, Kauffman AD, **Davis MM**. Pay-to-play sports keeping low-income kids out of the game. C.S. Mott Children's Hospital National Poll on Children's Health, University

of Michigan. Vol 15, Issue 3, May 2012. Available at: http://www.mottnpch.org/reports-surveys/pay-play-sports-keeping-lower-income-kids-out-game.

68) **Davis MM,** Singer DC, Butchart A, Kauffman AD, Clark SJ. Public wants Presidential candidates to address childhood obesity, bullying. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 16, Issue 1, June 2012. Available at: http://www.mottnpch.org/reports-surveys/public-wants-presidential-candidates-address-childhood-obesity-bullying.
69) Clark SJ, Singer DC, Butchart A, Kauffman AD, **Davis MM**. Public reluctant to support teen HPV vaccination without parental consent. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 16, Issue 2, July 2012. Available at: http://www.mottnpch.org/reports-surveys/public-reluctant-support-teen-hpv-vaccination-without-parental-consent.
70) **Davis MM,** Singer DC, Butchart A, Kauffman AD, Clark SJ. Top 10 child health concerns: exercixe, obesity, smoking lead list. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 16, Issue 3, August 2012. Available at: http://www.mottnpch.org/reports-surveys/top-10-child-health-concerns-exercise-obesity-smoking-lead-list.
71) **Davis MM,** Singer DC, Butchart A, Kauffman AD, Clark SJ. Bullying: when should schools take action? C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 16, Issue 4, September 2012. Available at: http://www.mottnpch.org/reports-surveys/bullying-when-should-schools-take-action.
72) **Davis MM,** Hashikawa A, Singer DC, Butchart AT, Kauffman AD, Clark SJ. Sick kids, struggling parents. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 16, Issue 5, October 2012. Available at: http://www.mottnpch.org/reports-surveys/sick-kids-struggling-parents.
73) **Davis MM,** Kauffman AD, Singer DC, Gebremariam A, Clark SJ. Public supports expanded Internet safety requirements to protect kids. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 17, Issue 1, November 2012. Available at: http://www.mottnpch.org/reports-surveys/public-supports-expanded-internet-safety-requirements-protect-kids.
74) **Davis MM,** Lesperance M, Handelsman J, Kauffman AD, Singer DC, Gebremariam A, Clark SJ. Parents loud and clear: test tweens and teens for hearing loss, too. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 17, Issue 2, December 2012. Available at: http://mottnpch.org/reports-surveys/parents-loud-and-clear-test-teens-and-tweens-hearing-loss-too.
75) Clark SJ, Kauffman AD, Singer DC, Gebremariam A, **Davis MM.** Parents numb to misuse of narcotic pain medicines by youth? C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 17, Issue 3, January 2013. Available at: http://mottnpch.org/reports-surveys/parents-numb-misuse-narcotic-pain-medicines-youth.
76) **Davis MM,** Udow-Phillips M, Riba M, Young D, Royan R. Primary care capacity and health reform: is Michigan ready? January 2013. Center for Healthcare Research and Transformation. Ann Arbor, MI. Available at: http://www.chrt.org/public-policy/policy-briefs/primary-care-capacity-and-health-reform-is-michigan-ready/.
77) **Davis MM,** Kauffman AD, Singer DC, Gebremariam A, Clark SJ. How to select a child's doctor? Parents prefer grapevine to online. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 17, Issue 4, February 2013. Available at: http://mottnpch.org/reports-surveys/how-select-child%E2%80%99s-doctor-parents-prefer-grapevine-online.
78) **Davis MM,** Kauffman AD, Singer DC, Gebremariam A, Clark SJ. Just what the doctor ordered? Not

for many parents. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 18, Issue 1, March 2013. Available at: http://mottnpch.org/reports-surveys/just-what-doctor-ordered-not-many-parents.

79) **Davis MM,** Kauffman AD, Singer DC, Gebremariam A, Clark SJ. Parents ignore warning labels, give cough and cold meds to young kids. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 18, Issue 2, April 2013. Available at: http://mottnpch.org/reports-surveys/parents-ignore-warning-labels-give-cough-cold-meds-young-kids.

80) **Davis MM,** Kauffman AD, Singer DC, Gebremariam A, Clark SJ. One in ten teens using "study drugs," but are parents paying attention? C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 18, Issue 3, May 2013. Available at: http://mottnpch.org/reports-surveys/one-ten-teens-using-%E2%80%9Cstudy-drugs%E2%80%9D-are-parents-paying-attention.

81) **Davis MM,** Kauffman AD, Singer DC, Gebremariam A, Clark SJ. Protecting newborns from whooping cough. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 18, Issue 4, June 2013. Available at: http://mottnpch.org/reports-surveys/protecting-newborns-whooping-cough.

82) **Davis MM,** Kauffman AD, Singer DC, Gebremariam A, Clark SJ. Broad public support for banning smoking in vehicles with kids present. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 19, Issue 1, July 2013. Available at: http://mottnpch.org/reports-surveys/broad-public-support-banning-smoking-vehicles-kids-present.

83) **Davis MM,** Kauffman AD, Singer DC, Gebremariam A, Clark SJ. Top child health concerns: obesity, drug abuse, and smoking. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 19, Issue 2, August 2013. Available at: http://mottnpch.org/reports-surveys/top-child-health-concerns-obesity-drug-abuse-and-smoking.

84) **Davis MM,** Kauffman AD, Singer DC, Gebremariam A, Clark SJ. Top public priorities for children's health research: cancer, diabetes, birth defects. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 19, Issue 3, September 2013. Available at: http://mottnpch.org/reports-surveys/top-public-priorities-children%E2%80%99s-health-research-cancer-diabetes-birth-defects.

85) Clark SJ, Kauffman AD, Singer DC, Gebremariam A, **Davis MM.** Email consultation: co-pay or no-pay? C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 19, Issue 4, October 2013. Available at: http://mottnpch.org/reports-surveys/email-consultation-co-pay-or-no-pay.

86) **Davis MM,** Kauffman AD, Singer DC, Gebremariam A, Clark SJ. Medical research needs kids, but parents not aware of opportunities. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 19, Issue 5, November 2013. Available at: http://mottnpch.org.reports-surveys/medical-research-needs-kids-parents-not-aware-opportunities.

87) **Davis MM,** Kauffman AD, Singer DC, Gebremariam A, Clark SJ. Adults worry e-cigarettes will encourage kids to start smoking tobacco. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 20, Issue 1, December 2013. Available at: http://mottnpch.org/reports-surveys/adults-worry-e-cigarettes-will-encourage-kids-start-smoking-tobacco.

88) Clark SJ, Kauffman AD, Singer DC, Gebremariam A, **Davis MM.** Seeing specialists: Roles of parents and providers unclear. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 20, Issue 2, January 2014. Available at: http://mottnpch.org/reports-surveys/seeing-specialists-roles-parents-providers-unclear.

89) **Davis MM,** Moniz MH, O'Connell LK, Kauffman AD, Singer DC, Gebremariam A, Clark SJ.

"Breast is best" but uninsured parents take breastfeeding classes less often. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 20, Issue 3, February 2014. Available at: http://mottnpch.org/reports-surveys/%E2%80%9Cbreast-best%E2%80%9D-uninsured-parents-take-breastfeeding-classes-less-often.

90) Clark SJ, Greenhawt M, Kauffman AD, Singer DC, Gebremariam A, **Davis MM.** Nut-free lunch? Parents speak out. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 20, Issue 4, March 2014. Available at: http://mottnpch.org/reports-surveys/nut-free-lunch-parents-speak-out.
91) **Davis MM,** Inniss AK, Kauffman AD, Singer DC, Gebremariam A, Clark SJ. Screening out screen time: Parents limit media use for young children. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 21, Issue 1, April 2014. Available at: http://mottnpch.org/reports-surveys/screening-out-screen-time-parents-limit-media-use-young-children.
92) **Davis MM,** Kauffman AD, Singer DC, Gebremariam A, Clark SJ. Fighting childhood obesity: Are schools passing or failing? C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 21, Issue 2, May 2014. Available at: http://mottnpch.org/reports-surveys/fighting-childhood-obesity-are-schools-passing-or-failing.
93) Clark SJ, Kauffman AD, Singer DC, Gebremariam A, **Davis MM.** Sports physicals: convenient versus comprehensive? C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 21, Issue 3, June 2014. Available at: http://mottnpch.org/reports-surveys/sports-physicals-convenient-versus-comprehensive.
94) Clark SJ, Kauffman AD, Singer DC, Gebremariam A, **Davis MM.** The circumcision decision: Parents want info, not directives, from docs. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 21, Issue 4, July 2014. Available at: http://mottnpch.org/reports-surveys/circumcision-decision-parents-want-info-not-directives-docs.
95) **Davis MM,** Kauffman AD, Singer DC, Gebremariam A, Clark SJ. School violence, gun-related injuries in top 10 child health concerns in U.S. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 22, Issue 1, August 2014. Available at: http://mottnpch.org/reports-surveys/school-violence-gun-related-injuries-top-10-child-health-concerns-us.
96) Clark SJ, Kauffman AD, Singer DC, Gebremariam A, **Davis MM.** Head smart? Parents get confidence boost from concussion education. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 22, Issue 2, September 2014. Available at: http://mottnpch.org/reports-surveys/head-smart-parents-get-confidence-boost-concussion-education.
97) **Davis MM,** Woolford SJ, Kauffman AD, Singer DC, Gebremariam A, Clark SJ. Nutrition facts: how moms and dads view labels differently. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 22, Issue 3, October 2014. Available at: http://mottnpch.org/reports-surveys/nutrition-facts-how-moms-and-dads-view-labels-differently.
98) Clark SJ, Kauffman AD, Singer DC, Gebremariam A, Matos-Moreno A, **Davis MM.** Parents support daycare policies to get kids up-to-date on vaccines. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 22, Issue 4, November 2014. Available at: http://mottnpch.org/reports-surveys/parents-support-daycare-policies-get-kids-date-vaccines.
100) **Davis MM,** Fredericks E, Kauffman AD, Singer DC, Gebremariam A, Matos-Moreno A, Clark SJ. Can their 18-year-olds make a doctor's appointment? Half of parents say no. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 22, Issue 5, December 2014. Available at: http://mottnpch.org/reports-surveys/can-their-18-year-olds-make-doctor%E2%80%99s-appointment-half-parents-say-no.
101) **Davis MM,** for the Michigan Department of Community Health. Recommendations for addressing

the needs of high utilizer / super utilizer patients in Michigan. Submitted to the Michigan Legislature, December 2014.

102) Clark SJ, Kauffman AD, Singer DC, Gebremariam A, Matos-Moreno A, **Davis MM.** Pay-to-play sports keeping some kids on the sidelines. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 22, Issue 6, January 2015. Available at: http://mottnpch.org/reports-surveys/pay-play-sports-keeping-some-kids-sidelines.

103) **Davis MM,** Kauffman AD, Singer DC, Matos-Moreno A, Clark SJ. Parents conflicted about later school start times for teens. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 23, Issue 1, February 2015. Available at: http://mottnpch.org/reports-surveys/parents-conflicted-about-later-school-start-times-teens.

104) Clark SJ, Kauffman AD, Singer DC, Matos-Moreno A, **Davis MM.** Parents on social media: likes and dislikes of sharenting. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 23, Issue 2, March 2015. Available at: http://mottnpch.org/reports-surveys/parents-social-media-likes-and-dislikes-sharenting.

105) **Davis MM,** Kauffman AD, Singer DC, Matos-Moreno A, Clark SJ. Support for medical marijuana use lower for kids than for adults. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 23, Issue 3, April 2015. Available at: http://mottnpch.org/reports-surveys/support-medical-marijuana-use-lower-kids-adults.

106) Clark SJ, Kauffman AD, Singer DC, Matos-Moreno A, **Davis MM.** Many parents missing the link between child behavior and health. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 23, Issue 4, May 2015. Available at: http://mottnpch.org/reports-surveys/many-parents-missing-link-between-child-behavior-and-health.

107) **Davis MM,** Kauffman AD, Singer DC, Matos-Moreno A, Clark SJ. Too convenient? Majority of adults support bans on powdered alcohol. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 24, Issue 1, June 2015. Available at: http://mottnpch.org/reports-surveys/too-convenient-majority-adults-support-bans-powdered-alcohol.

108) **Davis MM,** Kauffman AD, Singer DC, Matos-Moreno A, Clark SJ. Safer, with more benefits: parents' views on vaccines shifting. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 24, Issue 2, July 2015. Available at: http://mottnpch.org/reports-surveys/safer-more-benefits-parents%E2%80%99-vaccines-views-shifting.

109) **Davis MM,** Kauffman AD, Singer DC, Matos-Moreno A, Clark SJ. Top 10 child health problems: more concern for sexting, Internet safety. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 24, Issue 3, August 2015. Available at: http://mottnpch.org/reports-surveys/top-10-child-health-problems-more-concern-sexting-internet-safety.

110) Clark SJ, Kauffman AD, Singer DC, Matos-Moreno A, **Davis MM.** Parents conflicted about how to label, punish cyberbullying. C.S. Mott Children's Hospital National Poll on Children's Health, University of Michigan. Vol 24, Issue 4, September 2015. Available at: http://mottnpch.org/reports-surveys/parents-conflicted-about-how-label-punish-cyberbullying.

Opinion/Editorial Publications in Lay Press (non-peer-reviewed)

1) **Davis MM.** Expanding kids' care won't socialize medicine. *The Detroit News.* October 10, 2007.
2) Osta AD, **Davis MM.** 'Going green' means gasping for air. *The Detroit News.* January 9, 2008.
3) Tarini BA, **Davis MM.** Laws won't erase genetic dilemmas. *The Detroit News.* May 28, 2008.
4) **Davis MM.** Use Michigan's existing tobacco laws to cover e-cigarettes. *The Detroit Free Press.* May 6, 2014.

Eric P. Rothstein, CPA

Principal

Education

MA, Economics, University of California-Davis, 1983
A.B., Economics, Ripon College, 1981

Distinguishing Qualifications

- Experienced Project Manager that has established strategic financial plans and designed rates for some of the nation's largest, most complex infrastructure programs and has secured acceptance of major, multi-year rate increases in politically charged environments.
- Expert in regionalization, facilitation of complex decisions affecting diverse stakeholder groups, evaluation of public/private partnerships, and strategic business planning.
- National leadership roles in the water industry including the Water Environment Federation (WEF) Utility Management Committee and American Water Works Association's (AWWA) Competitive Practices and Rates and Charges Committees.

Expert Witness Depositions and Testimony

- Direct Testimony by Declaration (2014) - Superior Court Of California, County of Los Angeles, Central District, Cities of Cerritos, Downey and Signal Hill vs. Water Replenishment District of Southern California, Lead Case No. Bs128136
- Expert Witness Testimony (2013) – Nova Scotia Utility and Review Board: In the Matter of a Joint Application by the Halifax Regional Water Commission and the Halifax-Dartmouth Bridge Commission for a Determination of Appropriate Charges Related to the Use of the Angus L. Macdonald. (M06127)
- Expert Report (2013) - San Diego County Water Authority v. Metropolitan Water District of Southern California, Case No: CPF-10-510830 and CPF-12-512466, Superior Court of California, County of San Francisco, regarding rate setting challenges.
- Expert Witness Testimony (2013) –Hawaii Public Utilities Commission, In the Matter of the Application of Hawaiian Beaches Water Company, Inc., for review and approval of rate increases; revised rate schedules, Docket No. 2013-0203.
- Deposition And Expert Witness Testimony (2013): United States Bankruptcy Court, Northern District Of Alabama, Southern Division, In Re: Jefferson County, Alabama, a political subdivision of the State Of Alabama, Debtor, Case No.: 11-05736-Tbb, Chapter 9, The Bank Of New York Mellon as Indenture Trustee, et al., Plaintiffs v. Jefferson County, Alabama, Defendant, AP No.: 12-00016-Tbb,
- Expert Witness Testimony (2013) – Nova Scotia Utility and Review Board: Application for the Approval of a Schedule of Rates and Charges and Schedule of Rules and Regulations for the Delivery of Water, Wastewater and Stormwater Services, Matter No. M05463

- Expert Witness Testimony (2012) - Public Service Commission of Wisconsin: Application of City of Waukesha Water Utility, Waukesha County, Wisconsin, for Authority to Increase Water Rates Docket No. 6240-WR-107

- Expert Witness Testimony (2009-2011) – United States District Court, Northern District of Georgia, Atlanta Division, United States of American and the State of Georgia, Plaintiffs v. The City of Atlanta, Defendant, Civil Action File No. 1-98-CV-1956-TWT. (various hearings re: Schedule Extension, Service Delivery Strategy)

- Expert Witness Testimony (2012) – Public Service Commission of Wisconsin: Application of Oak Creek Water and Sewer Utility For Authority to Increase Water Rates, Docket No. 4310-WR-104

- Expert Witness Testimony (2011) – Nova Scotia Utility and Review Board: Application of the Halifax Regional Water Commission for approval of a Cost of Service and Rate Design Methodology (NSUARB-W-HRWC-R-11)

- Expert Witness Testimony (2010, 2014) – Public Service Commission of Wisconsin: Application of Milwaukee Water Works, Milwaukee Water Works, Milwaukee County for Authority to Increase Water Rates, Docket No. 3720-WR-107 and Docket No. 3720-WR-108

- Deposition (2010): The Bank of New York v. Jefferson County, Alabama, Civil Action No. CV-2009-02318.
- Expert Witness Testimony (2009) – Illinois Commerce Commission, Illinois-American Water Company, Proposed general increase in water and sewer rates, Docket No: 07-0507

- Expert Witness Testimony (2009) - In the Court of Appeals of Georgia; Fulton County Georgia et al. v. City of Atlanta, A08A2364

Selected Key Project Experience

For the U.S. Bankruptcy Court, Eastern District of Michigan, Southern Division Eric Rothstein has served as an independent utility advisor for mediation related to the creation of the Great Lakes Water Authority (GLWA). Following execution of a Memorandum of Understanding and Articles of Incorporation by the Incorporating Municipalities (City of Detroit, Macomb, Oakland and Wayne counties, and the State of Michigan), Mr. Rothstein was appointed to serve as Implementation Planning Program Manager for the standup of the GLWA – a regional utility serving approximately 40% of the population of the State of Michigan.

For **Water Replenishment District of Southern California**, Eric Rothstein was engaged to provide an expert report related to the consistency of the District's rate setting requirements with industry-standard practices contemplating proportionate distribution of cost responsibilities based on cost causation. These practices are consistent with prescripts of State of California law.

For Jefferson County, Alabama, Eric Rothstein has served as the County's rate consultant since 2010. He has reviewed cost-of service analyses and alternative rate proposals to address the County's outstanding sewer warrant obligations, developed revisions to its sewer rates approved in November 2012, and again in September 2013, and is leading strategic financial planning related to the County's bankruptcy Plan of Adjustment. Mr. Rothstein has been deposed and provided expert witness testimony in various court proceedings stemming from the County's declaration of bankruptcy in 2011, and has led development of a Municipal Advisor Report related to a planned Series 2013 Sewer Warrant issue to effectuate the County's exit from bankruptcy.

For the **Halifax Regional Water Commission**, Eric Rothstein led development of a Cost of Service and Rate Design report to the Nova Scotia Utility and Accounting Review Board (NSUARB Docket No. NSUARB-W-

HRWC-R-11), in response to the Board's Order and Decision to hold separate hearings to determine appropriate ratemaking methodologies for Canada's first regulated water, wastewater and stormwater utility. Eric led preparation of the report and the development of cost allocation and rate design models to illustrate the implications of alternative methodological approaches. Eric supported development of HRWC's subsequent application for water, wastewater and stormwater rates filed with the NSUARB in December 2012 and provided expert witness testimony in support thereof in April 2012. In April 2014, Eric prepared a HRWC Cost Shares for Use of the Angus L. Macdonald Bridge and provided expert witness testimony in M06127 - Halifax-Dartmouth Bridge Commission/Halifax Regional Water Commission: Waterline on the Angus L. MacDonald Bridge - HDBC-G-14

For the **City of Atlanta**, since 2004, Mr. Rothstein has served as the Department of Watershed Management's primary coordinator for its revenue bond issues used to finance its $3 billion wastewater Consent Decree program. This has included issues in 2004, 2008, 2009 (2), 2013 and 2015 and, in 2006, implementation of its Tax-Exempt Commercial Paper program with a shelf registration of $1.2 billion. Mr. Rothstein led development of the Department's *Financial Capability Based Schedule Extension Request Report* used to secure the City's 13-year extension of its wastewater Consent Decree schedule. He prepared each of the Department's Financial Capability Assessment filings. He has led the development and updating of strategic financial planning tools for water and sewer rate development and policy-level consideration of overall program financing strategies (as well as detailed project expenditure, status, and schedule tracking).

For the **Egyptian Ministry of Housing, through a USAID contract**, Mr. Rothstein developed guidance on tariff setting, capital project prioritization, and strategic planning for the newly established water and wastewater sector regulatory agency. The project involved the development of a guidance manual, detailed financial planning and cost-of-service analysis modeling, and testing of financial analysis and prioritization tools with four major Egyptian utilities. Mr. Rothstein has also provided presentations on financial planning and strategic planning principles to USAID staff and Technical Assistance contractors.

For the **Milwaukee Wholesale Customers**, through sub-contracts with SHEH, Inc., Mr. Rothstein reviewed the Milwaukee Water Works rate increase applications filed in 2010 and 2014, reviewed pre-filed testimony, and offered expert witness testimony related to revenue requirements and appropriate rates of return at hearings before the Wisconsin Public Service Commission.

For several wastewater permittees facing Consent Decrees including the **City of Akron, East Bay Municipal Utility District, Northeast Ohio Regional Sewer District, Metropolitan Sewer District of St. Louis, and the City and County of Honolulu**, Mr. Rothstein has assisted in the conduct of financial capability assessments per EPA prescribed methodologies and in the development of alternative approaches to assessment that more appropriately reflect utility capital financing options. These efforts have been used in the formulation of negotiation positions related to the scope and schedule of potential Consent Decree provisions. Mr. Rothstein is currently engaged with the **City of Peoria, IL** and with the **Guam Waterworks Authority**, in similar Consent Decree negotiations.

For the **National Association of Clean-Water Agencies**, Mr. Rothstein has served as Principal Author for the development of several of the association's white papers and publications related to Financial Capability Assessments used to develop wastewater Consent Decree schedules. These publications include NACWA's *Financial Capability and Affordability in Wet Weather Negotiations* (2007), and *The Evolving Landscape for Financial Capability Assessment: Clean Water Act Negotiations and the Opportunities of Integrated Planning* (2013). These papers provide critical reviews of the U.S. Environmental Protection Agency's (EPA's) established policies and guidance on financial capability assessments for wet weather programs and offers practical guidance for negotiations on enforcement policies and practices related to consideration of financial capability.

For the **City of Winnipeg, Manitoba**, Mr. Rothstein served as Project Manager for a comprehensive cost-of-service rate studies for the City's water, wastewater and stormwater systems conducted in 1997 and 2012. In 1997, the consulting team facilitated decision-making through an extensive public involvement process that featured monthly meetings of a Citizen's Advisory Committee comprised of a diverse set of stakeholder representatives. For both studies, detailed cost allocation analyses were conducted and customized computer rate analysis models developed to facilitate rate updating for budgetary changes, revision to cost allocations, and rate design modifications.

For **Augusta-Richmond County, Georgia,** Mr. Rothstein has provided strategic financial planning, bond feasibility and comprehensive cost-of-service rate assistance since 2000. Strategic financial planning facilitated the City's adoption of a seven-year, 11 percent per annum rate increase schedule to support infrastructure re-investment in excess of $400 million. Mr. Rothstein managed 3 bond feasibility studies over the course of the program implementation, helping the County to secure strong credit ratings and favorable financing. A cost-of-service study in 2004 involved special queries of a new billing system for development of user characteristic data and consideration of specific cost assignments for previously unsewered portions of the County's wastewater system.

Previous to his work as a utility management consultant, Mr. Rothstein served in several financial management positions for the **City of Austin, Texas**. In this capacity, he directed staffs of up to 22 members in utility ratemaking, evaluation of regionalization alternatives and proposed utility investments, analysis of capital financing options, internal control evaluation, and revenue forecasting.

Certifications / Professional Licenses

Certified Public Accountant
Oregon License No. 7998, June 1995

Membership in Professional Organizations

American Water Works Association

- Strategic Management Practices Committee
- Rates and Charges Sub-Committee
    - Chair, *Water Rate Structures and Pricing*, AWWA M34
    - Member, *Water Rates*, AWWA, M1

International Water Association

- Economics and Statistics Specialist Group
- Editorial Board, Utility Management International (2008-2012)

National Association of Clean Water Agencies

- Utility Management Committee

Water Environment Federation

- Utility Management Committee
    - Chair, Finance and Administration Sub-Committee
    - Chair, *Financing and Charges for Wastewater Systems* (M27), Manual of Practice Task Force
    - Coordinator, Asset Management Hot Topics Workshops, 2005 – 2007
- Technical Practice Committee, Vice Chair

Selected Publications

Sustainability Reporting Statements for Wastewater Systems, WEF Special Publication, October 2012 (Task Force Chair, Chapter 1 Author)

"The Business Case for Low Income Affordability Programs," Proceedings of the AWWA-WEF Utility Management Conference, Miami, FL, February 2012.

GBMSD's Strategic Planning: A Portfolio Management Approach to Effective Utility Management" with Tom Sigmund, Proceedings of the AWWA-WEF Utility Management Conference, Miami, FL, February 2012.

"Financial Sustainability in an Uncertain World" with Debbie Galardi, *Water Utility Management International*, vol. 6, issue 4 (December 2011) pp. 23-27.

"Developing A Financially Sustainable Capital Program to Meet Consent Decree Requirements", *Proceedings of the Water Environment Federation Technology Exposition and Conference (WEFTEC), October 2009*

"Regionalization of Water Service in Central Florida: Capacity Rights Contracting for the Yankee Lake WTF", *Proceedings of the American Water Works Association (AWWA) Annual Conference and Exposition, June 2007 and the Florida Water Resources Conference,* April 2007

"Affordability Tools," Section 8: *Affordability Special Publication*, Water Environment Federation, 2007

"Tough Choices in Paradise: Capital Project Prioritization on Oahu," with Ross Kaneko, Barry Usagawa, Scott Muraoka and Jason Takaki, *Proceedings of the American Water Works Association (AWWA) – Water Environment Federation (WEF) Joint Management Conference*, February 2007 and *Proceedings of the American Water Works Association (AWWA) Annual Conference and Exposition*, June 2007.

"Financial Sustainability As A Foundation For Infrastructure Development And Management: Best Practices" with Debbie Galardi, Water Utility Management International, vol. 2, issue 1 (March 2007) pp. 10-13

Selected Presentations / Seminars

"Exit from Bankruptcy: Jefferson County, Alabama's Historic Plan of Adjustment and $1.7 Billion Sewer Warrant Issue Sustainability Reporting Statements for Wastewater Systems", Utility Management Conference, Austin, TX, February 2015.

"The Business Case for Sustainability Reporting", Sustainability Reporting Statements for Wastewater Systems Special Publication Workshop, WEFTEC 2013, October 2013.

"Building Support for Rate Increases" Central States Water Environment Federation, May 17, 2013

"Which Direction is Your Utility Heading", 2012 Illinois City Managers Association, Galena, Illinois, June 28, 2012

"Financial Sustainability in an Uncertain World", Illinois AWWA, March 2012

"Doing More With Less: Financial Planning and Management in Stressful Times", Central States Water Environment Federation Wisconsin Government Affairs Seminar, February 23, 2012

"Financing Water Utilities' Sustainability Initiatives: Challenging Institutionalized Governance and Market Failures" with Debbie Galardi, Proceedings of the 2012 AWWA Water Sustainability Conference, Portland, Oregon, March 2012.

"Building Support for Rate Increases", 2012 Central States Water Environment Association (CSWEA) Government Affairs Seminar, Madison, WI, February 2012.

"A Season on The Brink: Atlanta's Financial Capability Based Consent Decree Extension" presented at the 2011 AWWA-WEF Utility Management Conference, Denver, CO, February 2011.

"Making Wet Weather Affordable: Never Let A Good Crisis Go To Waste", National Association of Clean Water Agencies Winter Conference, Fort Lauderdale, FL, January 2011.

"Water Efficiency Programs: Risk Management for an Uncertain World", Wisconsin Water Association Conservation Seminar, September 2011.

"Financial Capability Assessment Revisited: Structuring Consent Decrees To Recognize Capital Financing Constraints And Market Change" presented at the 2010 AWWA-WEF Utility Management Conference, San Francisco, CA, February 2010.

"Rock River Water Reclamation District Strategic Financial Planning", Illinois Association of Wastewater Agencies, September 17, 2009

"Socially Responsible Investment in Water Quality: Balancing Community Priorities and Pricing", American Water Works Association Annual Conference and Exposition, Atlanta, GA, June 2009.

"Adaptive Financial Management", CSO Partnership, Chicago, April 2009

"Capital Financing Strategies and Constraints: Lessons of the Political Economy ", National Association of Clean Water Agencies Winter Conference, Atlanta, GA, February 2009.

"Atlanta's Water and Wastewater System Financing: An Update", American Water Works Association Annual Conference and Exposition, Atlanta, GA, June 2008.

"Inside/Outside Rates: Forthcoming Refinements in the M1 Manual", American Water Works Association Annual Conference and Exposition, Atlanta, GA, June 2008.

"Financial Capability Assessments & Affordability: Implications of EPA Criteria", American Water Works Association Annual Conference and Exposition, June 2007

"Proven Financial Management Fundamentals Demonstrated Through National & International Case Studies" presented at the Illinois Section, American Water Works Association conference, Springfield, IL, March 2007

"National Trends Define Strategic Planning Imperatives," presented at the Wisconsin Section, American Water Works Association conference, Wisconsin Dells, WI, September 2006, and Wisconsin Water Environment Association Government Affairs seminar, Madison, WI, March 2007.

"Financial Capability and the Cost of Clean" presented at the National Association of Clean Water Agencies, Winter Conference, St. Petersburg, FL; February 2007.

To: Governor Rick Snyder
From: JA
Re: Flint After Action Meeting
Date: October 20, 2015

Governor,

Attached is a draft press release to be reviewed with the after action team tomorrow morning.

In addition, Rich & Harvey are vetting & reaching out to potential Flint resident to join the task force:

1) Dr. Lawrence Reynolds, MD of Mott Children's Hospital, long standing and respected member of the Flint community, speaks his mind and very professional.

Rich will invite him to the meeting tomorrow by phone or in person.

Attached are resumes for Kolb, Dr. Davis, and Eric Rothstein.

Draft Agenda:

1) Introductions
2) Mission of Task Force
3) Background Info
4) Discussion of Timeline
5) Q & A from Task Force Members
6) Communications Strategy/Review Press Release

Suggested Goals for Task Force:

1) Thorough review of all steps taken in Flint regarding switch to Flint River and back GLWA.
    a. Create Timeline of actions
    b. Establish why each action was taken
2) Review of role of Feds, EM, State, City Council, and Mayor in process.
    a. Establish best practices for Feds, State, Local, and EM to work together in future situations
    b. Indicate where coordination could have been and should be improved
3) Review of DEQ & DHHS actions & protocols
    a. Did DEQ & DHHS follow the proper procedures?
    b. Do the procedures need to change?
4) Provide guidance for switch back to GWLA
    a. Ensure proper corrosion controls & testing is in place
    b. Highlight steps for eventual switch to Karegnondi
5) Testing Beyond Flint
    a. What practices need to change in communities outside of Flint?
    b. What change in law is recommended to ensure all Michiganders are drinking clean water?

Suggested Timeline:

The task force members have indicated that 2 months is the earliest possible time to properly conduct a full after action report. In reality, they suggest 3 months is more feasible. Given the holidays, a 2 month timeline puts us roughly right around Christmas. I would suggest we set a 3 month goal.

Oct 21: After Action Team Announced
Jan 8: Preliminary After Action Report Submitted for Internal Review
Jan 22: Final After Action Report Submitted
Week of January 25: Report Released

RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
EXECUTIVE OFFICE
LANSING

BRIAN CALLEY
LT. GOVERNOR

Contacts: Sara Wurfel or Dave Murray 517-335-6397	**FOR IMMEDIATE RELEASE** Wednesday, Oct. 21, 2015

Gov. Rick Snyder announces formation of Flint Water After Action Report Commission

Experts will provide ongoing monitoring of city water system

LANSING, Mich. – Gov. Rick Snyder today announced a new task force to review the state's actions regarding water usage and testing in Flint. The commission will conduct a thorough review and lay out recommendations on future guidelines for water testing. It will also monitor the transition of Flint's city water system back to the Great Lakes Water Authority, and its eventual transition to the Karegnondi Water Authority pipeline.

The commission will be co-chaired by Ken Sikkema of Public Sector Consultants and Chris Kolb, of the Michigan Environmental Council. Also serving will be Dr. Matthew Davis of the University of Michigan Health System, and Eric Rothstein, of the Galardi Rothstein Group.

"As stated previously, transitioning back to the Great Lakes Water Authority is a good first step to protecting public health in Flint, but it's not the last step," Snyder said. "Bringing in outside experts to evaluate our actions and help monitor and advise on technical issues will be key to continuing work on the comprehensive action plan and ensuring safe drinking water for all the citizens of Flint."

Ken Sikkema is a senior policy fellow at Public Sector Consultants, where he specializes in public finance, environment, and energy policy. Prior to joining the firm, Sikkema served in both the Michigan House and Senate, culminating with four years as Senate Majority Leader. He has also served as both an adjunct and visiting professor at Grand Valley State University.

Chris Kolb is president of the Michigan Environmental Council, a statewide coalition of 70 environmental, public health and faith-based nonprofit groups. Before joining the MEC, Kolb represented Ann Arbor in the state House for six years and served eight years on the Ann Arbor City Council. He has been president of the MEC for eight years.

Matthew Davis, M.D., M.A.P.P., is Professor of Pediatrics and Internal Medicine at the University of Michigan Health System and Professor of Public Policy at the Gerald R. Ford School at the University of Michigan, having joined the faculty in 2000. He is the founding Director of the C.S. Mott Children's Hospital National Poll on Children's Health and the National Voices Project. Dr. Davis also previously served as the Chief Medical Executive of the Michigan Department of Community Health/Department of Health and Human Services.

Eric Rothstein is a national water issues consultant and principal at the Galardi Rothstein Group. He served as an independent advisor on the creation of the Great Lakes Water Authority. Rothstein also has served as Jefferson County, Alabama's rate consultant and municipal advisor for litigation related to the county's bankruptcy and issuance of $1.7 billion in sewer warrants and led strategic financial planning for the City of Atlanta's Department of Watershed Management. He has more than 30 years of experience in water, wastewater and stormwater utility finance and rate-making assessments.

As Gov. Snyder previously stated, reconnecting with the authority will not completely resolve the city's problem with lead service lines or aging infrastructure. It will take time for pipes in Flint to become coated with the phosphate corrosion control.

To best protect public health, state and local authorities will continue to carry out steps outlined on Oct. 2 in a comprehensive action plan, including continued testing, the use of faucet filters and providing residents with accurate information about steps to eliminate lead exposure. The Michigan Departments of Environmental Quality is continuing to provide free water filters, free lead testing through the state laboratory for Flint water customers, and hiring additional staff to conduct health exposure monitoring for lead in drinking water.

####

Subject: RDS/DM/JA/EC/RB/DMurray/HH/DWyant/NLyon/MAnderson - Flint After Action Call
Location: By Phone

Start: Tue 11/24/2015 4:30 PM
End: Tue 11/24/2015 5:00 PM

Recurrence: (none)

Meeting Status: Accepted

Organizer: GovCalendar
Required Attendees: Baird, Richard (GOV); Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Agen, Jarrod (GOV); Wisniewski, Wendy (GOV); Hollins, Harvey (GOV); Clayton, Stacie (GOV); Wyant, Dan (DEQ); Thelen, Mary Beth (DEQ); Lyon, Nick (DHHS); Scott, Allison (GOV); Murray, David (GOV); Anderson, Madhu (DEQ)

Call In:
[redacted]
[redacted] – host ALS

Purpose: Per RB

Participants:
Matt Davis, Professor of Pediatrics & Internal Medicine U of M
Chris Kolb, President – Michigan Environmental Council
Ken Sikkema, Senior Policy Fellow – Public Sector Consultants
Eric Rothstein, Principal – Galardi & Rothstein Group
Larry Reynolds, Pediatrician Mott Children's Health Center

Subject:	Flint Water Advisory Task Force
Location:	Conference Call 517-484-4954
Start:	Wed 12/16/2015 9:30 AM
End:	Wed 12/16/2015 12:00 PM
Recurrence:	Weekly
Recurrence Pattern:	every Wednesday from 9:30 AM to 12:00 PM
Meeting Status:	Meeting organizer
Organizer:	Clayton, Stacie (GOV)
Required Attendees:	Hollins, Harvey (GOV)

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
ksikkema@pscinc.com

To: Clayton, Stacie (GOV); Hollins, Harvey (GOV)

Flint Water Advisory Task Force

January 6, 2016

9:30am-12:00pm

Michigan Environmental Council

602 W. Ionia, Lansing, MI 48933

[redacted]

1. Review Agenda 9:30-9:35am
2. Brief Update since sending the Second Letter to Governor 9:35-9:50am
3. Task Force Work Plan 9:50-11:30am

a. FWATF Workplan Update

b. Status of Interviews

c. Report Outline

d. Major Next Steps

e. Press Interactions

f. U.S. Attorney Investigation

4. Harvey Hollins Report 11:30-11-45am (unless already covered in earlier discussions)

a. Update on proposed FWIACC

b. Meeting between Mayor and Governor

5. "Round Robin"—Issues Task Force Members Want to Raise—11:45-11:55am
6. Task Force Logistics—11:55-12:00pm

a. Next Meetings

i. January 14, 2016--PSC

To: Clayton, Stacie (GOV); Hollins, Harvey (GOV)

To: Clayton, Stacie (GOV); Hollins, Harvey (GOV)

From: Chris Kolb <chris@environmentalcouncil.org>
Sent: Tuesday, January 05, 2016 12:14 PM
To: Clayton, Stacie (GOV)
Cc: Hollins, Harvey (GOV); Baird, Richard (GOV)
Subject: Re: Flint Water Advisory Task Force Meeting
Attachments: Draft Agenda 1-6-16.docx

Attached please find a draft agenda. It has the call-in information on it, and I have included it below:

[redacted]

If the is a problem connecting have Harvey call my cell phone [redacted] or the office number (517) 487-9539.

If you have any questions regarding this matter, please feel free to contact me.

Thanks!
Chris

On Tue, Jan 5, 2016 at 12:10 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:

Greetings Chris,

Harvey will participating via phone for tomorrow's meeting. Is there a call in-number and will you please send the meeting agenda?

Thank you,

~Stacie

Stacie Clayton, Assistant Director

Harvey Hollins III, Director

Governor's Office of Urban Initiatives

3044 West Grand Boulevard, Ste. 14-650

Detroit, MI 48202

313.456.4994 (office)

claytons3@michigan.gov

From: Chris Kolb [mailto:chris@environmentalcouncil.org]
Sent: Tuesday, January 05, 2016 11:40 AM
To: Baird, Richard (GOV) <bairdr@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>
Subject: Flint Water Advisory Task Force Meeting

Rich and Harvey,

Are you both planning on being at tomorrow's Flint Water Advisory Task Force meeting? If so, I will forward you an agenda and let you know that the meeting is at our (MEC) office, 602 W. Ionia, Lansing, MI 48933. Amble parking in the back, enter from the back parking lot.

Thanks!

Chris

--

Chris Kolb, President & CEO
Michigan Environmental Council
602 W. Ionia
Lansing, MI 48933

517.487.9539 (office)
517.487.9541 (fax)
[redacted]

Sign up for our Electronic Newsletter!

www.environmentalcouncil.org
www.twitter.com/ckolb
www.twitter.com/michenvcouncil

--
Chris Kolb, President & CEO
Michigan Environmental Council

602 W. Ionia
Lansing, MI 48933

517.487.9539 (office)
517.487.9541 (fax)
[redacted]

Sign up for our Electronic Newsletter!

www.environmentalcouncil.org
www.twitter.com/ckolb
www.twitter.com/michenvcouncil

Flint Water Advisory Task Force

January 6, 2016
9:30am-12:00pm
Michigan Environmental Council
602 W. Ionia, Lansing, MI 48933
[redacted]

1. Review Agenda 9:30-9:35am

2. Brief Update since sending the Second Letter to Governor 9:35-9:50am

3. Task Force Work Plan 9:50-11:30am

    a. FWATF Workplan Update
    b. Status of Interviews
    c. Report Outline
    d. Major Next Steps
    e. Press Interactions
    f. U.S. Attorney Investigation

4. Harvey Hollins Report 11:30-11-45am (unless already covered in earlier discussions)
    a. Update on proposed FWIACC
    b. Meeting between Mayor and Governor

5. "Round Robin"—Issues Task Force Members Want to Raise—11:45-11:55am

6. Task Force Logistics—11:55-12:00pm

    a. Next Meetings
        i. January 14, 2016--PSC

From: Clayton, Stacie (GOV)
Sent: Wednesday, October 07, 2015 4:08 PM
To: 'Brian Larkin'
Subject: RE: Flint City Council KWA Vote

Thank you, Brian. Please copy me also when you send the actual resolution. Your help is greatly appreciated.

Stacie

From: Brian Larkin [mailto:blarkin@flintandgenesee.org]
Sent: Wednesday, October 07, 2015 3:38 PM
To: Hollins, Harvey (GOV) <hollinsh@michigan.gov>
Cc: Clayton, Stacie (GOV) <claytons3@michigan.gov>
Subject: Flint City Council KWA Vote

Still waiting on hearing back from the city to get the original resolution but here are the mlive pieces that covered it from March until July. The meeting when the vote was held was March 25, 2013

March 25th 2013 **Flint council supports buying water from Lake Huron through KWA**
http://www.mlive.com/news/flint/index.ssf/2013/03/flint_city_council_again_delay.html
The Flint City Council voted 7-1 to get 16 million gallons per day from the Karegnondi Water Authority.

7th Ward councilperson Dale Weighill was absent
3rd Ward councilperson Bryant Nolden opposed
The rest were in favor.

March 25th, 2013 **Flint City Council approves resolution to buy water from Karegnondi, state approval still needed**
http://www.mlive.com/news/flint/index.ssf/2013/03/flint_city_council_approves_re.html
Under the proposal, Flint would get 16 million gallons per day of raw water from Lake Huron, pipe it to Flint for treatment and then sell it to customers throughout the City. Another 2 million gallons per day would come from the Flint River and will be treated in Flint. DEQ told the city it needed to get 18 million gallons per day or there would have to be additional work done at Flint's water plant. Flint's water plant and the Flint River is currently the backup for Flint and Genesee County, however, the plant only operates four times per year.

April 12th **State gives Flint OK to join Karegnondi Water Authority project, but Detroit gets to make final offer**

http://www.mlive.com/news/flint/index.ssf/2013/04/state_gives_flint_ok_t.html

The city of Flint has the state's blessing to join in construction of the planned Karegnondi Water Authoritypipeline project once it reviews a final offer from the city of Detroit on Monday, April 15.

April 19th **Governor steps into water war; set to meet with Genesee, Flint, Detroit today**

http://www.mlive.com/news/flint/index.ssf/2013/04/governor_steps_into_water_war.html#incart_river_default

The meeting comes in the same week that the Flint and Genesee County rejected a final offer to continue buying water from Detroit and two days after Detroit gave Flint a notice of termination of its 1965 water contract.

April 19th **Detroit gives notice: It's terminating water contract covering Flint, Genesee County in one year**

http://www.mlive.com/news/flint/index.ssf/2013/04/detroit_gives_notice_its_termi.html

The city of Detroit has given notice that it's terminating a nearly 50-year-old contract for selling water to Flint and the county next year.

July 23rd **Flint River now an option for drinking water following Detroit's termination of contract**

http://www.mlive.com/news/flint/index.ssf/2013/07/city_readying_water_plant_to_t.html

The Flint River was not a viable option to provide drinking water to city residents when the water relationship between Flint and Detroit was stable. But river water might be used temporarily as the city's water supply now that Flint signed an agreement with the Karegnondi Water Authority and will get up to 18 million gallons per day of raw water in 2016 from Lake Huron. The Flint River hadn't been an option, city officials previously said, because upgrades to Flint's water plant would be too expensive, the river didn't provide enough capacity to serve Flint residents' water needs and the Michigan Department of Environmental Quality would not allow it.

Brian Larkin

Director, Core Initiatives

Flint & Genesee Chamber of Commerce
519 S. Saginaw Street • Suite 200 • Flint, MI 48502
(P) 810.600.1406 [redacted] • (F) 810.600.1461
www.FlintandGenesee.org • BLarkin@FlintandGenesee.org

CONFIDENTIALITY NOTICE:
This email message and any accompanying data or files is confidential and may contain privileged information intended only for the named recipient(s). If you are not the intended recipient(s), you are hereby notified that the dissemination, distribution, and or copying of this message is strictly prohibited. If you receive this message in error, or are not the named recipient(s), please notify the sender at the email address above, delete this email from your computer, and destroy any copies in any form immediately. Receipt by anyone other than the named recipient(s) is not a waiver of any attorney-client, work product, or other applicable privilege.

From: Clayton, Stacie (GOV)
Sent: Wednesday, October 07, 2015 4:26 PM
To: Hollins, Harvey (GOV)
Subject: FW: Flint City Council KWA Vote
Attachments: KWA Contract (amended) 130165.2.pdf; CC Meeting Minutes 3-25-2013 (1).doc

Importance: High

Here is the KWA reso. Brian is checking to see if there was an EM order to pull from the Flint river.

Stacie

From: Brian Larkin [mailto:blarkin@flintandgenesee.org]
Sent: Wednesday, October 07, 2015 4:14 PM
To: Clayton, Stacie (GOV) <claytons3@michigan.gov>
Subject: RE: Flint City Council KWA Vote

Brian Larkin

Director, Core Initiatives

Flint & Genesee Chamber of Commerce
519 S. Saginaw Street • Suite 200 • Flint, MI 48502
(P) 810.600.1406 [redacted] • (F) 810.600.1461
www.FlintandGenesee.org • BLarkin@FlintandGenesee.org

CONFIDENTIALITY NOTICE:
This email message and any accompanying data or files is confidential and may contain privileged information intended only for the named recipient(s). If you are not the intended recipient(s), you are hereby notified that the dissemination, distribution, and or copying of this message is strictly prohibited. If you receive this message in error, or are not the named recipient(s), please notify the sender at the email address above, delete this email from your computer, and destroy any copies in any form immediately. Receipt by anyone other than the named recipient(s) is not a waiver of any attorney-client, work product, or other applicable privilege.

From: Clayton, Stacie (GOV) [mailto:claytons3@michigan.gov]
Sent: Wednesday, October 07, 2015 4:08 PM
To: Brian Larkin <blarkin@flintandgenesee.org>
Subject: RE: Flint City Council KWA Vote

Thank you, Brian. Please copy me also when you send the actual resolution. Your help is greatly appreciated.

Stacie

From: Brian Larkin [mailto:blarkin@flintandgenesee.org]
Sent: Wednesday, October 07, 2015 3:38 PM

To: Hollins, Harvey (GOV) <hollinsh@michigan.gov>
Cc: Clayton, Stacie (GOV) <claytons3@michigan.gov>
Subject: Flint City Council KWA Vote

Still waiting on hearing back from the city to get the original resolution but here are the mlive pieces that covered it from March until July. The meeting when the vote was held was March 25, 2013

March 25th 2013 **Flint council supports buying water from Lake Huron through KWA**
http://www.mlive.com/news/flint/index.ssf/2013/03/flint_city_council_again_delay.html
The Flint City Council voted 7-1 to get 16 million gallons per day from the Karegnondi Water Authority.

7th Ward councilperson Dale Weighill was absent
3rd Ward councilperson Bryant Nolden opposed
The rest were in favor.

March 25th, 2013 **Flint City Council approves resolution to buy water from Karegnondi, state approval still needed**
http://www.mlive.com/news/flint/index.ssf/2013/03/flint_city_council_approves_re.html
Under the proposal, Flint would get 16 million gallons per day of raw water from Lake Huron, pipe it to Flint for treatment and then sell it to customers throughout the City. Another 2 million gallons per day would come from the Flint River and will be treated in Flint. DEQ told the city it needed to get 18 million gallons per day or there would have to be additional work done at Flint's water plant. Flint's water plant and the Flint River is currently the backup for Flint and Genesee County, however, the plant only operates four times per year.

April 12th **State gives Flint OK to join Karegnondi Water Authority project, but Detroit gets to make final offer**

http://www.mlive.com/news/flint/index.ssf/2013/04/state_gives_flint_ok_t.html

The city of Flint has the state's blessing to join in construction of the planned Karegnondi Water Authoritypipeline project once it reviews a final offer from the city of Detroit on Monday, April 15.

April 19th **Governor steps into water war; set to meet with Genesee, Flint, Detroit today**

http://www.mlive.com/news/flint/index.ssf/2013/04/governor_steps_into_water_war.html#incart_river_default

The meeting comes in the same week that the Flint and Genesee County rejected a final offer to continue buying water from Detroit and two days after Detroit gave Flint a notice of termination of its 1965 water contract.

April 19th **Detroit gives notice: It's terminating water contract covering Flint, Genesee County in one year**

http://www.mlive.com/news/flint/index.ssf/2013/04/detroit_gives_notice_its_termi.html

The city of Detroit has given notice that it's terminating a nearly 50-year-old contract for selling water to Flint and the county next year.

July 23rd **Flint River now an option for drinking water following Detroit's termination of contract**

http://www.mlive.com/news/flint/index.ssf/2013/07/city_readying_water_plant_to_t.html

The Flint River was not a viable option to provide drinking water to city residents when the water relationship between Flint and Detroit was stable. But river water might be used temporarily as the city's water supply now that Flint signed an agreement with the Karegnondi Water Authority and will get up to 18 million gallons per day of raw water in 2016 from Lake Huron. The Flint River hadn't been an option, city officials previously said, because upgrades to Flint's water plant would be too expensive, the river didn't provide enough capacity to serve Flint residents' water needs and the Michigan Department of Environmental Quality would not allow it.

Brian Larkin

Director, Core Initiatives

Flint & Genesee Chamber of Commerce
519 S. Saginaw Street • Suite 200 • Flint, MI 48502
(P) 810.600.1406 ([redacted] • (F) 810.600.1461
www.FlintandGenesee.org • BLarkin@FlintandGenesee.org

CONFIDENTIALITY NOTICE:
This email message and any accompanying data or files is confidential and may contain privileged information intended only for the named recipient(s). If you are not the intended recipient(s), you are hereby notified that the dissemination, distribution, and or copying of this message is strictly prohibited. If you receive this message in error, or are not the named recipient(s), please notify the sender at the email address above, delete this email from your computer, and destroy any copies in any form immediately. Receipt by anyone other than the named recipient(s) is not a waiver of any attorney-client, work product, or other applicable privilege.

Resolution: 130165.2

Presented: 3-11-13

Adopted: 3-25-13

AMENDED RESOLUTION TO PURCHASE CAPACITY FROM KAREGNONDI WATER AUTHORITY

BY THE MAYOR:

The Karegnondi Water Authority (KWA) is a governmental consortium of cities and counties in southeastern Michigan that was created to build a water pipeline that will provide water from Lake Huron to interested communities in Sanilac, Lapeer, and Genesee counties. The incorporating bodies that created the KWA are Sanilac County, Lapeer County, Genesee County, the City of Flint, and the City of Lapeer.

The City of Flint is currently in a year to year contract with the City of Detroit for the purchase of water. A study was conducted that projected that staying with Detroit will cost the region $2.1 billion over the next 25 years. In contrast, if the region builds its own pipeline, the projected costs are $1.9 billion over the same period. After the initial 25 year period, the projected costs would be less then 25% of the projected water costs from Detroit.

In order to build the pipeline, the KWA needs commitment from its members regarding the capacity that each member will purchase in the pipeline. The KWA is allowed to withdraw 85 million gallons of water per day. Capacity is available to members in increments of 1 million gallons per day known as units. For each unit of capacity that a member purchases, the buyer shall pay to the KWA a one time fee of $32,300.00. Additionally, the buyer shall pay to the KWA not less then $32,300.00 per unit per year until such time as water is made available to the buyer. After water is made available, the buyer shall pay to the KWA an estimated amount not to exceed $355,300.00 per unit per year until such time that the bonds are paid in full. If it is determined that the costs per unit will exceed $355,300.00 the buyer has a right to cancel the contract.

The purchase of capacity along with the payment of other costs necessary to operate the pipeline gives the member a right to water for sale to its customers. The buyer has a right to resell capacity and water rights. Each party entering into a capacity contract shall also be entitled to appoint additional board members equal to the party's percentage share of the total capacity under contract.

The City of Flint has decided that it is in its long term best interests to enter into a contract with the KWA to purchase SIXTEEN (16) units of capacity, plus TWO (2) units from the Flint River.

IT IS RESOLVED that City officials are authorized to enter into a contract with KWA to purchase SIXTEEN (16) units of capacity, plus TWO (2) units from the Flint River.

IT IS FURTHER RESOLVED that the City Administrator is authorized to provide KWA information needed to administer the contract and, with approval of the Chief Legal Officer, to make minor (non-material) modifications to the contract.

APPROVED AS TO FORM:

Peter M. Bade
Chief Legal Officer

APPROVED AS TO FINANCE:

Gerald Ambrose
Finance Director

APPROVED BY MAYOR:

Dayne Walling
Mayor

APPROVED BY CITY COUNCIL
ON: March 25, 2013

Inez Brown
Clerk, City of Flint

APPROVED BY
CITY COUNCIL
MAR 25 2013

S:\JP\Ordinances and Resos\KWA.03.08.13.doc

City of Flint, Michigan

Third Floor, City Hall
1101 S. Saginaw Street
Flint, Michigan 48502
www.cityofflint.com

Meeting Minutes - Draft

Monday, March 25, 2013

5:33 PM

Agenda amended to include Board of Hospital Managers appointments

Council Chambers

CITY COUNCIL

Scott Kincaid, President, Ward 9
Bryant W. Nolden, Vice President, Ward 3

Claudia Croom, Ward 1 ***Jacqueline Poplar, Ward 2***
Joshua M. Freeman, Ward 4 ***Bernard Lawler, Ward 5***
Sheldon A. Neeley, Ward 6 ***Dale K. Weighill, Ward 7***
Michael J. Sarginson, Ward 8

Inez M. Brown, City Clerk

CALL TO ORDER

President Scott Kincaid called the meeting to order at 5:33 p.m.

ROLL CALL

Councilperson Michael Sarginson arrived at 5:37 p.m.

Present: Councilperson: Councilperson Poplar, Vice President Nolden, Councilperson Freeman, Councilperson Lawler, Councilperson Neeley, Councilperson Sarginson, Kincaid, Councilperson Weighill and Councilperson Croom

PLEDGE OF ALLEGIANCE

Councilperson Sheldon Neeley led the Pledge of Allegiance.

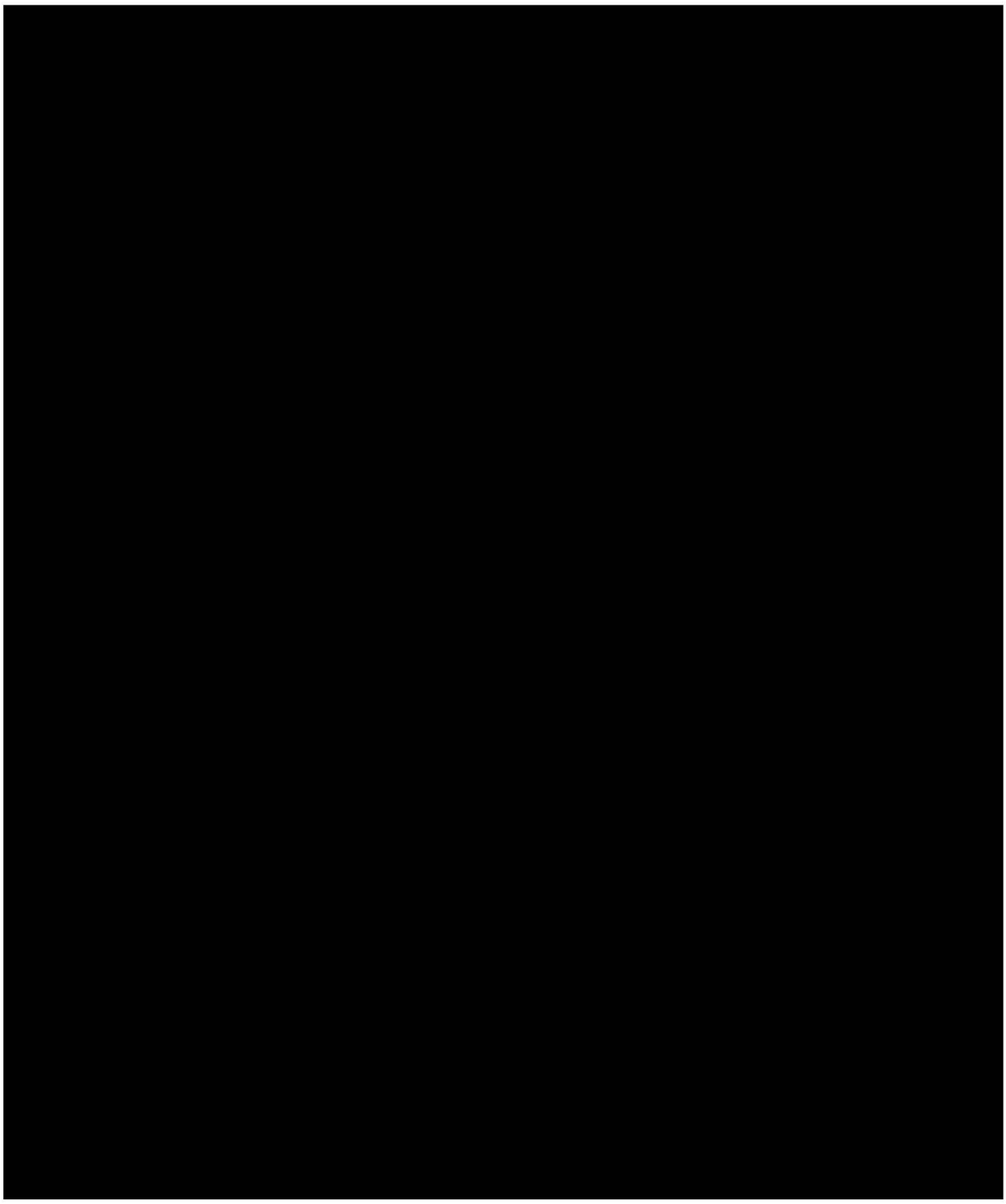
SPECIAL ORDER

130217 Special Order/Information & Discussion/Karegnondi Water Authority (KWA)

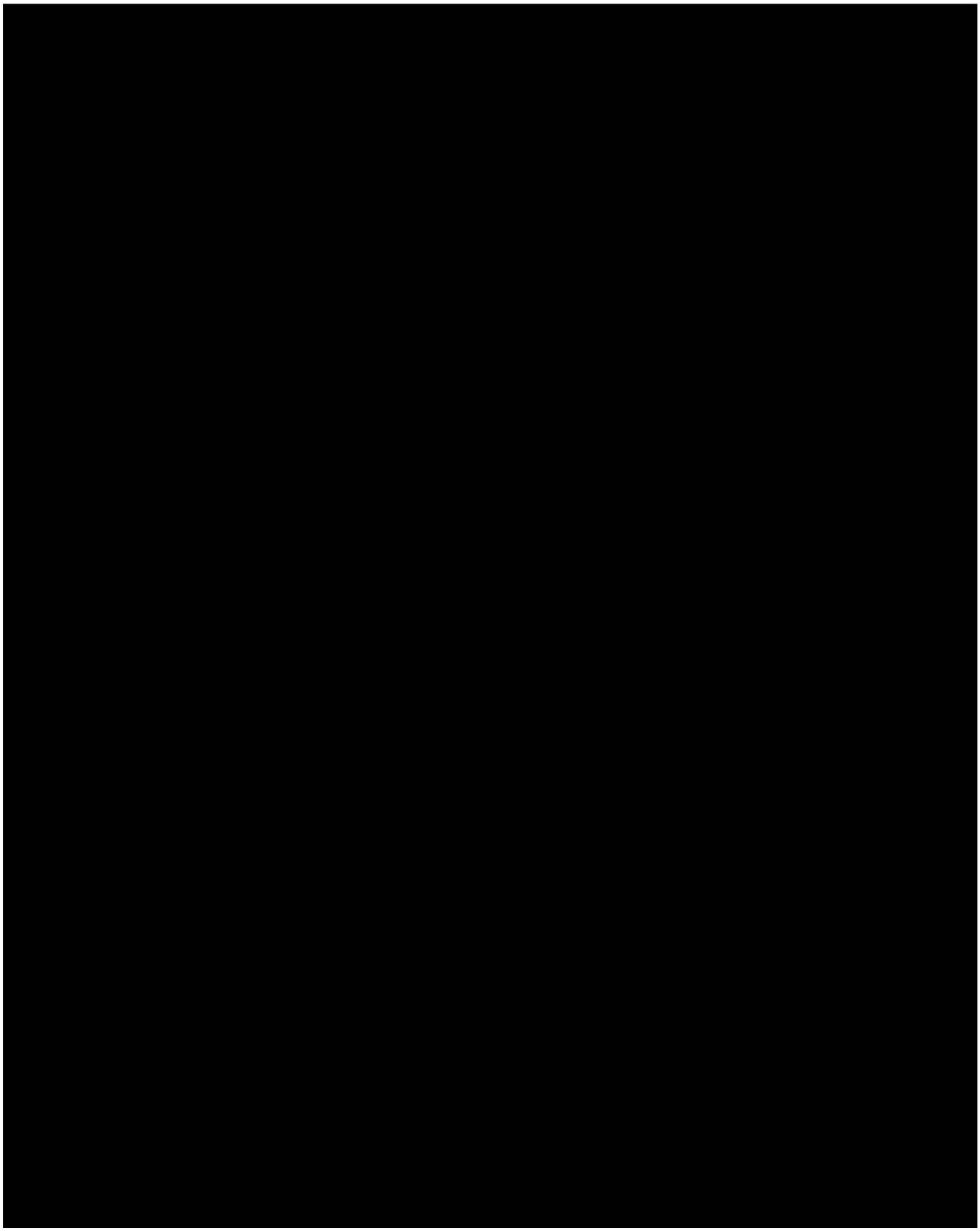
A Special Order as requested by Council President Scott Kincaid to continue discussion and review of information on the Karegnondi Water Authority (KWA).

Presented

PETITIONS AND UNOFFICIAL COMMUNICATIONS



COMMUNICATIONS FROM CITY OFFICIALS



[redacted]

PUBLIC SPEAKERS

ROLL CALL

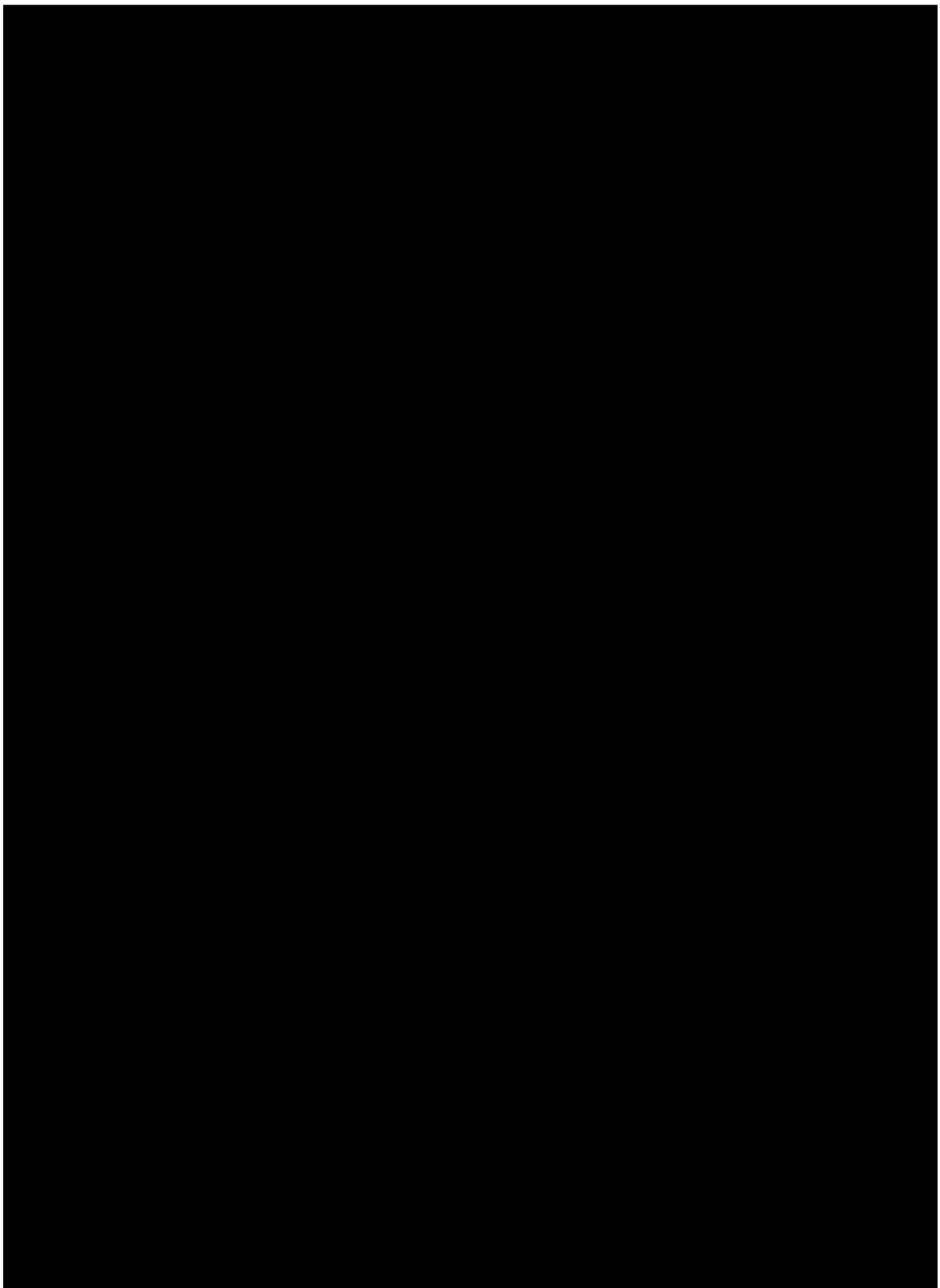
Councilperson Dale Weighill left at approximately 7 p.m.

Present: Councilperson: Councilperson Poplar, Vice President Nolden, Councilperson Freeman, Councilperson Lawler, Councilperson Neeley, Councilperson Sarginson, Kincaid and Councilperson Croom

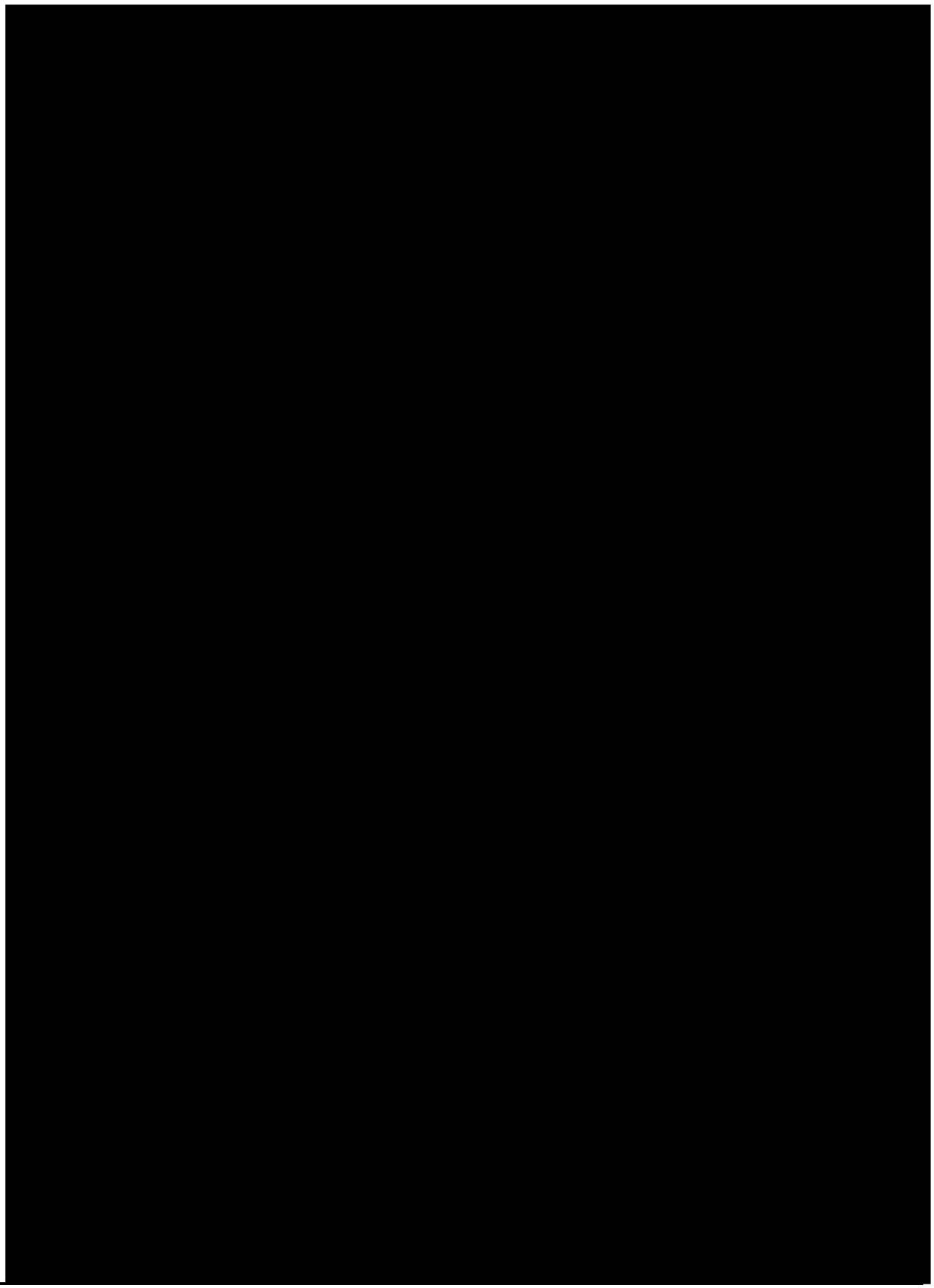
Absent: Councilperson: Councilperson Weighill

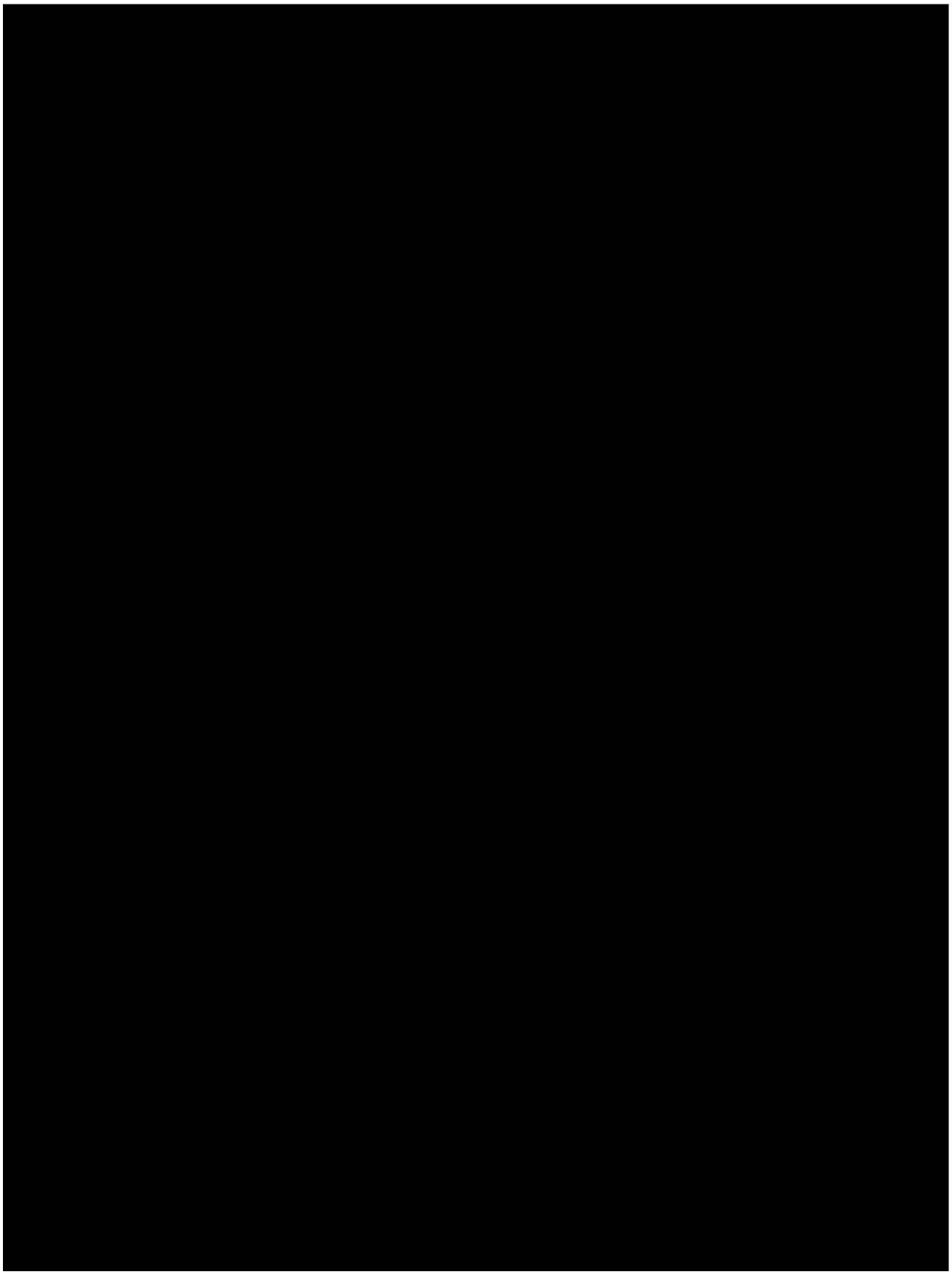
APPOINTMENTS

[redacted]



130213





RESOLUTIONS

130165.1 Amended Resolution/Contract/City of Flint/Karegnondi Water Authority (KWA)

Amended resolution resolving that city officials are authorized to enter into a contract with Karegnondi Water Authority (KWA) to purchase fifteen (15) units of capacity, AND, resolving that the City Administrator is authorized to provide KWA information needed to administer the contract, and, with approval of the Chief Legal Officer, to make minor (non-material) modifications to the contract. [NOTE: For each unit of capacity that a member purchases, the buyer shall pay to the KWA a one-time fee of $32,300. Additionally, the buyer shall pay to the KWA not less than $32,300.00 per unit per year until such time as water is made available to the buyer. After water is made available, the buyer shall pay to the KWA an estimated amount NOT-TO-EXCEED $355,300.00 per unit per year until such time that the bonds are paid in full. If it is determined that the costs per unit will exceed $355,300.00, the buyer has a right to cancel the contract. Over the next 25 years, it is expected that continuing with Detroit will cost the region $2.1 billion, compared to $1.9 billion with a pipeline.] [NOTE: Contract not included.] [NOTE: Resolution amended from 18 to 15 units of capacity.]

A motion was made by Councilperson Neeley, seconded by Councilperson Freeman, that this matter be Amended. The motion carried by the following vote:

Aye: 5 - Vice President Nolden, Councilperson Freeman, Councilperson Lawler, Councilperson Neeley and Councilperson Sarginson

No: 3 - Councilperson Poplar, President Kincaid and Councilperson Croom

Absent: 1 - Councilperson Weighill

130165.2 Amended Resolution/Contract/City of Flint/Karegnondi Water Authority (KWA)

Amended resolution resolving that city officials are authorized to enter into a contract with Karegnondi Water Authority (KWA) to purchase sixteen (16) units

of capacity, AND, resolving that the City Administrator is authorized to provide KWA information needed to administer the contract, and, with approval of the Chief Legal Officer, to make minor (non-material) modifications to the contract. [NOTE: For each unit of capacity that a member purchases, the buyer shall pay to the KWA a one-time fee of $32,300. Additionally, the buyer shall pay to the KWA not less than $32,300.00 per unit per year until such time as water is made available to the buyer. After water is made available, the buyer shall pay to the KWA an estimated amount NOT-TO-EXCEED $355,300.00 per unit per year until such time that the bonds are paid in full. If it is determined that the costs per unit will exceed $355,300.00, the buyer has a right to cancel the contract. Over the next 25 years, it is expected that continuing with Detroit will cost the region $2.1 billion, compared to $1.9 billion with a pipeline.] [NOTE: Contract not included.] [NOTE: Resolution amended from 15 to 16 units of capacity.]

A motion was made by Councilperson Neeley, seconded by Councilperson Freeman, that this matter be Adopted. The motion carried by the following vote:

Aye: 7 - Councilperson Poplar, Councilperson Freeman, Councilperson Lawler, Councilperson Neeley, Councilperson Sarginson, President Kincaid and Councilperson Croom

No: 1 - Vice President Nolden

Absent: 1 - Councilperson Weighill

[redacted]

RESOLUTIONS - MAY BE REFERRED FROM S.A.

[redacted]

MEETING SCHEDULE

ADDITIONAL COUNCIL DISCUSSION

ADJOURNMENT

Having no further business, Council President Scott Kincaid adjourned the meeting at 8:59 p.m.

Respectfully transcribed and submitted,

Janell Johnson. Administrative Secretarv to Citv Council

From: Hollins, Harvey (GOV)
Sent: Thursday, December 10, 2015 4:43 PM
To: Clayton, Stacie (GOV)
Subject: Fwd: DRAFT task force response letter
Attachments: DRAFT Task Force response.docx; ATT00001.htm

FYI

Best,

Harvey

Begin forwarded message:

> **From:** "Murray, David (GOV)" <MurrayD1@michigan.gov>
> **Date:** December 9, 2015 at 5:34:03 PM EST
> **To:** "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>, "Holland, Meegan (GOV)" <HollandM2@michigan.gov>, "Baird, Richard (GOV)" <bairdr@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>, "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
> **Subject: DRAFT task force response letter**
>
> Good evening team,
>
> Here is a draft response to the task force letter that I think covers the needed ground and designates Harvey for the role suggested by the task force members. Please let me know if we are missing anything, or if there are points you want me to make, realizing that this letter will be distributed to the public.
>
> Thank you for your assistance.
>
> Dave
>
> Flint Water Advisory Task Force Members,
>
> Thank you for your correspondence on Dec. 7, and, most importantly, for your hard work to promote public health and protect our residents as we move forward. Your efforts are both respected and appreciated.
>
> As acknowledged in your letter, we have taken many steps to address the challenges in Flint as they relate to reducing lead exposure. I am pleased to see the progress since October, and recognize there is more work that must be done to ensure that this progress continues.
>
> At the state level, there has been a confluence of efforts between Michigan Departments of Environmental Quality and Health and Human Services to coordinate with the Genesee County Health Department, local schools, and our partners in the non-profit community.
>
> These partners are making progress, and we know we can always strive to improve practices and communication for continual improvement.

You make a solid suggestion about establishing a person who is independent of any one of the involved state agencies or organizations to serve as the point person to coordinate the ongoing work. I am recommending that Harvey Hollins, director of the Office of Urban Initiatives, carry out this effort. Harvey is well-versed in the issue and the challenges faced by our cities and will be effective in this role.

I also support your suggestion of a dashboard to make information about our work and progress more accessible to the Flint community. It's important that people have confidence that we are working to address any problems and will take the necessary actions to improve interaction among city, state and federal agencies.

People in Flint and across our state deserve safe, clean water. I want them to be confident that the water coming out of their tap is safe for their families. And I want them to trust that their government – at all levels – is working effectively to protect them.

I thank you again for lending your time and expertise to this vitally important effort.

Regards,

Flint Water Advisory Task Force Members,

Thank you for your correspondence on Dec. 7, and, most importantly, for your hard work to promote public health and protect our residents as we move forward. Your efforts are both respected and appreciated.

As acknowledged in your letter, we have taken many steps to address the challenges in Flint as they relate to reducing lead exposure. I am pleased to see the progress since October, and recognize there is more work that must be done to ensure that this progress continues.

At the state level, there has been a confluence of efforts between Michigan Departments of Environmental Quality and Health and Human Services to coordinate with the Genesee County Health Department, local schools, and our partners in the non-profit community.

These partners are making progress, and we know we can always strive to improve practices and communication for continual improvement.

You make a solid suggestion about establishing a person who is independent of any one of the involved state agencies or organizations to serve as the point person to coordinate the ongoing work. I am recommending that Harvey Hollins, director of the Office of Urban Initiatives, carry out this effort. Harvey is well-versed in the issue and the challenges faced by our cities and will be effective in this role.

I also support your suggestion of a dashboard to make information about our work and progress more accessible to the Flint community. It's important that people have confidence that we are working to address any problems and will take the necessary actions to improve interaction among city, state and federal agencies.

People in Flint and across our state deserve safe, clean water. I want them to be confident that the water coming out of their tap is safe for their families. And I want them to trust that their government – at all levels – is working effectively to protect them.

I thank you again for lending your time and expertise to this vitally important effort.

Regards,

Subject: Flint Water Advisory Task Force
Location: Call In Number: 1 517 999 0409; Access Code: 497786#

Start: Wed 1/6/2016 9:30 AM
End: Wed 1/6/2016 12:00 PM
Show Time As: Tentative

Recurrence: Weekly
Recurrence Pattern: every Wednesday from 9:30 AM to 12:00 PM

Meeting Status: Not yet responded

Organizer: Clayton, Stacie (GOV)
Required Attendees: Hollins, Harvey (GOV)

Flint Water Advisory Task Force

January 6, 2016
9:30am-12:00pm
Michigan Environmental Council
602 W. Ionia, Lansing, MI 48933

[redacted]

1. Review Agenda 9:30-9:35am

2. Brief Update since sending the Second Letter to Governor 9:35-9:50am

3. Task Force Work Plan 9:50-11:30am

    a. FWATF Workplan Update
    b. Status of Interviews
    c. Report Outline
    d. Major Next Steps
    e. Press Interactions
    f. U.S. Attorney Investigation

4. Harvey Hollins Report 11:30-11-45am (unless already covered in earlier discussions)
    a. Update on proposed FWIACC
    b. Meeting between Mayor and Governor

5. "Round Robin"—Issues Task Force Members Want to Raise—11:45-11:55am

6. Task Force Logistics—11:55-12:00pm

    a. Next Meetings

i. January 14, 2016--PSC

Subject:	Agen/Quebbeman/Weber re Flint task force
Location:	JA
Start:	Fri 11/13/2015 8:30 AM
End:	Fri 11/13/2015 9:00 AM
Recurrence:	(none)
Meeting Status:	Accepted
Organizer:	Agen, Jarrod (GOV)
Required Attendees:	Quebbeman, Marsha (GOV); Weber, Travis (GOV); Thomet, Ruth (GOV)

Message

From: Anderson, Madhu (DEQ) [/O=MIGOV/OU=EXTERNAL (FYDIBOHF25SPDLT)/CN=RECIPIENTS/CN=A88E01CACED2467B9D7604E88895CAAB]
Sent: 11/7/2015 12:29:55 AM
To: Sikkema Ken [ksikkema@pscinc.com]
CC: Weber, Travis (GOV) [/O=MIGOV/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=Weber Travisa6c]
Subject: Fwd: Attorney-Client Privledge Work Product - Events Timeline Draft
Attachments: image002.png

Ken - my apologies. I am having technical difficulties trying to send you this information from a remote location. I will be sending you the draft timeline events relating to the email below in a subsequent email. If the link to the electronic files does not come through, just type the information into your browser or I will get it to you another way.

>
> Ken - Per your request is a draft timeline of the events relating to the Flint Drinking Water issue. This work-in-progress timeline lists the date and event. Along with each event, is a document relating to the event.
>
> Because of the size of the attachments, we cannot send them to you electronically. However, we have provided an " file transfer protocol site" where you can access the documents. If there are certain attachments you would like printed, let me know which documents and I can deliver hard-copy to your office.
>
> You can access each attachment from the link below. (Note, please use Internet Explorer). Click on the link and you will be prompted to enter the user name and password provided. Once this has been submitted, look for a folder named "ANDERSON-SIKKEMA." Click on this link. Then you will see a directory named "Flint Docs." Click on this link, and you will see all of the 55 associated documents. You can choose, view, and download/print the documents from here. If you have any trouble, please give me a call and I will try to walk you through accessing the site.
>
> ftp://ftp.deq.state.mi.us/deq-outgoing
> [redacted]
> (If you cannot see the folders, Click on View and then click Open FTP Site in File Explorer. You will then have to enter the username and password again.)
>
>
> [cid:image001.png@01CDA7B6.5323BD30]
> Madhu R. Anderson
> Deputy Director, Economic and Strategic Initiatives
> · 517 284 6702 | 5[redacted]
> · andersonm30@michigan.gov<mailto:andersonm30@michigan.gov>
>
> [cid:image003.png@01D087F1.09CAD420]
>

From: Lasher, Geralyn (DHHS)
Sent: Tuesday, November 24, 2015 2:20 PM
To: chris@environmentalcouncil.org; ksikkema@pscinc.com; reynolds@mottchc.org; Mattdav@med.umich.edu; erothste@grg-ltd.com
Cc: Lyon, Nick (DHHS); Becker, Timothy (DHHS); Grijalva, Nancy (DHHS); Granger, Patricia (DHHS); Baird, Richard (GOV); Weber, Travis (GOV)
Subject: Follow up items
Attachments: MDHHS Flint Action Plan 11-24-15.docx; Considerations for Use of the ICS (3).docx; Gov Task Force on Flint Water Follow Up Lead Abatement.docx

On behalf of Michigan Department of Health and Human Services Director Nick Lyon, we would like to provide documents providing additional information to questions asked of the department last week in our conversation with the Task Force.

Attached you will find:

--A detailed MDHHS Action Plan on Flint Water Public Health

--An overview provided by our Bureau of EMS, Trauma and Preparedness giving further detail on considerations for use of the Incident Command System or Community Health Emergency Coordination Center (CHECC)

--Answers to the lead abatement questions posed to the department from the Task Force.

Please let us know if you have any additional questions or are in need of additional information.

Thank you,
Geralyn

Geralyn Anne Lasher
Senior Deputy Director for External Relations and Communications
Michigan Department of Health and Human Services
201 Townsend Street, Capitol View Building
Lansing Michigan 48913
P: (517) 241-2112
[redacted]
LasherG@michigan.gov
@glasher

Flint Water Public Health Response: MDHHS Action Plan

Update 11-24-15

TASK	STATUS	ACTION	DATE COMPLETED
Filter Distribution	Residents may continue to obtain filters from Genesee County Community Action Resource Department (GCCARD) (both sites 9-4PM) and MDHHS clients can continue to obtain filters at the two MDHHS office locations or the GCCARD sites.	Since 10/6, 11,355 MDHHS purchased water filters and 200 water pitchers have been distributed.	**Ongoing**
Filter Replacement Distribution	The procedure is in place for replacement cartridge distribution including an abbreviated application for residents to apply for and obtain cartridge replacement. Cartridge replacement will occur at same locations as filter sites. DHHS is also placing an order for 750 replacement filters for the 8-cup Zerowater filters. 9000 Brita replacement filters on hand with an additional 10,000 readily available when needed. Total available= 19,000	1,418 MDHHS purchased replacement water filters have been distributed.	**Ongoing**
	MDHHS is currently coordinating with GCCARD on publicity for distribution of the replacement filters. United Way will provide Pur Filter Replacements. United Way will also be purchasing filter units for school water fountains. Press release planned Monday 11/2 re: pick up of replacement filters, videos to be posted on websites and you tube.	Jen Eisner will work with Hilda McShane	**Completed** 11/2
	United Way requested that MDHHS purchase Pur filter replacements. GCCARD requests that no more bottled water be donated. They have plenty in stock. Cash is preferred. City of Flint set up distribution point in City Administration office building. Genesee County Health Department (GCHD) will be providing City of Flint with Pur Filters. The Brita filter requires a form for MDHHS be filled out; there are some concerns that undocumented members of population will avoid Brita filters for this reason.	**No action indicated.**	
Public Education Proper Filter Use	When used improperly, the filters will exceed their capacity limit in a much shorter time frame thereby increasing need for filter replacement much sooner than expected. Develop NEW public education material about proper use of cartridge AND how to obtain filter replacement cartridges, targeted for release week of October 26 during lead awareness week.		**Completed**

TASK	STATUS	ACTION	DATE COMPLETED
	Request made for written instructions on filter cartridge replacements for nurse case managers to take on home visits. Wes is working to complete a packet for nurse case managers which will include information on filters.		**Completed**
	Video created by MDHHS with Home Depot demonstrating replacement of the Brita replacement filter. DEQ receiving questions about meters on the water filter pitchers delivered to the schools which are likely Zerowater Filters.	The video added to the gov/flintwater website.	**Completed 11/2**
	Video will be added to nurse training—Childhood Lead Poisoning Prevention Program (CLPPP).		**Completed 11-10**
Lead Testing Protocol:	Draft protocol has been completed, undergoing final review. Protocol calls for testing: Priority groups- • Confirmatory venous testing for children who had venous testing (115 children) • Children in day care, Head Start • children attending 3 schools (Freeman, Eisenhower, Brownell) • Children residing in high risk zip codes (03, 04) • All other students Protocol will be announced in a joint MDHHS/GCHD Press release.		**Completed 10-28**
Blood Lead Testing: 9/28/15-10/23/15	CLPPP processed 580 tests from Flint zip codes since 9-28-15; 5 children were reported with elevated lead blood levels. There approximately 200 children that have been identified for follow-up.	MDHHS has arranged a contract with the GCHD to provide nurses for the follow-up.	**Contract completed in E-grams as of 10-23**
	Cross reference list of children with elevated lead levels with filter distribution data to ensure household has a filter. (Peeler/Scott) So far only about 20% of approximately 200 children with EBL are known to have received a filter. GCHD will deliver filters to these homes as they are doing the case follow-up. GCHD will provide weekly updates.	Send list to Kris S (done)	In process
	A group will develop reporting metrics and system to track same: Linda Dykema, Wes Priem, Michele Bruneau, Bob Scott and group met to discuss metrics. Plan to produce first detailed report for internal review the week of Nov. 9th. Additional work on the numbers was required to ensure accuracy. A simplified version for external dissemination will be released after internal review.	**Completed**	**Completed**

TASK	STATUS	ACTION	DATE COMPLETED
	Linda Dykema is working on an analysis of blood lead tests done since 9-28-25. Epi will assist with this analysis. Still fine-tuning the report.		
	Draft press release, talking points and BLL report (for period 10/1/15-11/13/15) in progress.		**Pending**
	Reach out to Medical Services Administration of MDHHS to discuss maximum effort to promote blood lead testing of children 0-6	MDHHS developing strategy to reach out to Medicaid health plans.	Sue Moran, Chris Priest and Kathy Stiffler working on this currently.
Parent education	Parent education material completed. Discuss dissemination of parent material through Flint schools.	Call with Flint school superintendent, GCHD, and MDHHS scheduled 10-26-15 to discuss dissemination process.	**Completed**
	Schools require 6000+ information packets for distribution to all students. Print order sent to DTMB. Hardcopy will be distributed to GCHD for issuing to the schools, and to Headstart, daycare, and other agencies in Flint with children ages 0-5. Mark will drop off hard copies at GCHD. Toni LaRocco will take the lead in distribution of the materials to the schools and other agencies.	MDHHS Geralyn Lasher arranged for printing.	**Completed**. 10/30 printing completed and Mark dropped off 6,000 copies at the Flint School Admin. Building, and 2,500 to health dept. Remainder dropped off on 11/2.
	Ensure legislators receive material in advance	Elizabeth Hertel coordinate legislator notification	**Completed**

TASK	STATUS	ACTION	DATE COMPLETED
Provider Education	Provider Education material completed. Communication to providers will occur through GCHD and MDHHS networks (GCMS, GCARD, hospitals, etc).MDHHS will distribute through the Medicaid Health Plans. Hurley providers received the packet and the remainder of providers will receive the information next week.	Mark Valacek Wells/Peeler Electronic dist. through various listservs.	**Completed** 10/30 **Completed** 11/2
	A webinar for health care providers will be held in early December to discuss the Lead issue, blood lead testing, Ready to Feed Formula, and answer any questions. It will be co-sponsored by the GCHD medical director.		
Community public education and testing event	McLaren Health Plan in conjunction with GCHD hosted a public testing and awareness event on November 5 at the Burton GCHD site. 40 children were tested. McLaren will have providers on site to perform testing for their members; GCHD onsite to perform testing for all others. Event will also include Medicaid application assistance. Tony Larocco (GCHD) has contacted Molina and Meridian Health Plan regarding sponsorship of community testing and awareness event. Molina and Meridian Health Plan testing dates to be determined. GCHD will be at a community event on Nov. 12, from 2 PM to 7 PM, to focus on testing for children 0-5. (Brownell and Holmes Schools)> Another testing event was held at Brownell School on 11/12. Many organizations were present to provide information and services. 27 children were tested, 60 filters distributed. **There was only one EBL result from the Brownell clinic (5.5 ppb that will be reported out as a 6.0; McLaren results are not available yet.) Flint schools superintendent is interested in having another event.**	Dr. Forschee has been contacted. Tony contacted Molina and there is interest in a future testing event.	**Pending**
	There will be a combination school testing/townhall/education event, sponsored by Rep. Neeley, on Nov. 2nd. A telephonic townhall is slated for Oct. 28 by Rep. Neely. Gongwer reported that 4,000 people participated in this call.	FYI	**Completed**
Public Education Materials	Mark Johnson, is the regional representative for ASTDR and CDC. He has been designated as contact. A call was held with ATSRDR on 11/13 to discuss how to improve outreach efforts to the Flint community about lead hazards. It was suggested that state/county consider lowering the readability level of the lead materials for the public to 3rd or 4th grade	CLPPP and GCHD staff will review documents and work with the communication	**Pending**

TASK	STATUS	ACTION	DATE COMPLETED
	reading level. **A workgroup is currently reviewing the documents for needed changes. Jim Henry contacted Dr. Suzanne Selig (UMichigan-Flint School of Public Health) who will seek community feedback on the materials that have been developed**. **After readability changes, some of the materials will be translated into Spanish and Arabic.**	office on any changes.	
Environmental Investigation	MDHHS requested a $275,000 contract with ETC on Oct. 21st, 2015. About 275 EBL investigations are budgeted for Flint. Wes Priem will work with GCHD to coordinate with Flint Housing/other authorities to deal with recalcitrant landlords. MDHHS Division of Environmental Health (DEH) meeting on 11/5 with MDEQ staff to harmonize EBL investigation protocol with water testing protocol. 11/12 The EBL contractor met with GCHD staff to coordinate activities with case management. **The EBL investigation activities require a substantial amount of time (4 hours), less than that for the case management activities; however, the team is arranging joint visits where possible.**		**Contract completed 10/29**
Nurse Follow Up	Project sent to Contracts for inclusion in E-grams 10-23-15. 10-21-15 Funding for case management nurses will be disseminated to GCHD through new project: *Flint Water*, for $425,000 through the Comprehensive Contract E-grams system, to fund the: Follow-up of Children Reported with Elevated Lead Levels: Case Management Services. GCHD advised to secure approvals for use of these funds and begin procedures to place staff in appropriate positions to conduct the work. GCHD has shifted one nurse over for follow-up. That nurse if fully trained on elevated lead patient management. 1.5 nurse FTE's will be assigned and trained on 11-10-15. Lead Safe Home Program worked with GCHD on protocol to harmonize the flow of outreach to families with children with elevated blood levels. 11/10 Training has been completed for 2.5 FTE nurses. Some follow-up training will be scheduled as well. **Follow-up training with nurses was completed on 11-17. Weekly calls have been set up with CLPPP staff and nurses.** **Weekly status report from GCHD attached in separate file.**	Eden will contact Bob to send the list to Toni at GCHD so they can facilitate case management of children with elevated lead levels (done). Contract approved 10/26	**Completed** 10/27 **Completed** 11-10
Water Testing	DEQ will be testing at Freeman Elementary the week of 10-26-15, with plans to expand to	No action	

TASK	STATUS	ACTION	DATE COMPLETED
	14 schools. Residential testing will have a different protocol. GCHD has been in contact with DEQ to possibly assist in sampling. Linda Dykema has a draft Executive Summary for Health-Based Drinking Water Lead Levels developed. Once testing is completed, this document will serve as a decision guide on reopening of school and/or daycare water fountains/faucets for student use. Linda will revise the model to include paint chip values/risk levels. GCHD sanitarians are assisting DEQ with water sampling. We should anticipate some differences in opinion on actionable pb levels. Suggested that the following language that DC used be adapted for our use: "The removal of lead in drinking water is most effective if the full lead service line is removed from both the public and private property. If you choose not to replace your private side pipe, lead can continue to dissolve in your drinking water. You should also replace galvanized plumbing, older lead soldered pipes, and brass fixtures and use a different plumbing material in your home. Until all potential sources of lead in drinking water are removed from your private property, be sure to follow the flushing and filter instructions provided." "Water is lead-free when it leaves the treatment plant, but lead can be released when the water comes in contact with pipes and plumbing fixtures that contain lead. Lead sources and lead levels vary between buildings, so it is important to identify and remove any lead sources in each household." "Pregnant or nursing women and children under age six should use filtered tap water for drinking water and cooking until all lead sources are removed. Filters certified for lead removal are required to meet National Sanitary Foundation (NSF) Standard 53." **<u>This language will be incorporated into EBL investigation reports and in the educational packets the nurses will distribute.</u>**	indicated, informational only – DEQ.	**Pending**
Misc.	City of Flint is asking when the county will lift the emergency order. Jim Henry from GCHD mentioned he was hearing some concerns raised again about Legionella. Eden said that Jim Collins can help address this. Mark V. said that an extensive data analysis was done on this previously and it isn't an issue. DEQ gave permission to increase phosphate levels in the water temporarily. Some health concerns might be raised about this particularly for infants. Dr. Eden Wells said that it is unlikely to cause health problems but we can add information on the FAQ to help reassure		

TASK	STATUS	ACTION	DATE COMPLETED
	citizens. DEQ released its Freeman School water testing results this week. EPA released its report from its expedited review of the response as well. **The water testing protocol has been changed to no longer do pre-flushing of the pipes. Other schools that are interested in having their water tested should make a request to DEQ. LARA will do a plumbing assessment before the water samples are taken.** The City of Flint is considering taking over the cost of providing the replacement pipes for at least some of the high risk homes.	FYI only	
	A call was held on the 10th with MDHHS staff and the regional USDA staff and congressional staff, on the ready to feed formula issue. Both USDA and Sen. Stabenow's office satisfied with client communication and monitoring process in place. Talking points have been developed by WIC staff and sent to the communication office for review. The talking points have been approved by the Communications Office. There has only been one client request for Ready to Feed formula in the Flint WIC clinic. There will be a farmers market, in conjunction with a flu clinic, that the GCHD is holding on 21 November and lead-related information will be provided by GCHD.	FYI	**Completed** **Pending**
	Internal calls will be held once a week on Thursdays at 12:30.	FYI	**Ongoing**

BUREAU OF EMS, TRAUMA AND PREPAREDNESS

Considerations for Use of the Incident Command System (ICS) for the Flint Lead Contamination Incident
November 24, 2015

Basic ICS tenets:

- Activation of Incident Command System (ICS) is determined by the scope and magnitude of an incident.
- Commonalities in all incidents include acute harm to the environment, infrastructure or populace by an agent such as biological, toxin/poisons, or natural causes (severe weather is most common).
- The first step is determining the scope & magnitude of the incident with a preliminary assessment. This assessment determines if ICS is appropriate for the response and what the response should be for the mitigation or containment of the causative agent to minimize negative effects on the environment or public.
- Following the initial acute response phase, there is both short term and long term recovery. In this situation, this could include identification of exposed children, lead testing & treatment if appropriate and monitoring of that vulnerable population for negative health consequences in subsequent years.

Unified Command:

- This is the ICS method of best efficacy for incidents involving multiple jurisdictions or agencies.
- Enables institutions and agencies with different legal, geographic, and functional responsibilities to coordinate, plan, and interact effectively.
- The Incident Commanders within the Unified Command make joint decisions and speak as one voice. Any differences are worked out within the Unified Command. Unity of command is maintained. Each responder reports to a single supervisor within his or her area of expertise.
- An example of a Unified Command incident in Michigan is the response to the Enbridge Oil Spill. The command structure included federal, state and local staffing.
- Benefits of a unified approach are:
    - A shared understanding of priorities and restrictions.
    - A single set of incident objectives, planning process and incident action plan.
    - Collaborative strategies.
    - Improved internal and external information flow.
    - Less duplication of efforts.
    - Better resource utilization.

In Michigan, Emergency Management (EM) has ICS command & control of an incident. This is true whether it is local emergency management isolated to one jurisdiction or the MSP Emergency Management and Homeland Security Division for a multi-jurisdictional (3 or more) incident. Most emergencies occur first locally and therefore are under the authority of the local EM and county administration to determine the scope of the incident for utilization of the ICS structure and/or request assistance from the state. All other agencies, health, environmental, & agriculture, etc. are supporting agencies to the EM command and therefore coordinate their own resources for response.

The Michigan Department of Health and Human Services (MDHHS) Community Health Emergency Coordination Center (CHECC) functions within the Multiagency Coordination System (MACS) of the National Incident Management System (NIMS). The CHECC provides coordination and support for the command structure but does not function in a command role. Multiagency coordination is a process that allows different disciplines to work together more effectively. For the CHECC it includes essentially all of public health & healthcare (human services under development).

The primary benefits of the CHECC are during response for coordination of department resources to:

- Establish and clarify policy with the Executive Group.
- Perform a situational assessment
- Establish a health common operating picture.
- Set state level public health & healthcare priorities.
- Facilitate logistics support and resource allocation.
- Interagency activities.
- Synchronize health messaging to ensure that we are speaking with one voice.

Long Term Recovery Planning:
The Flint lead contamination incident is now in response including short term recovery and rapidly transitioning towards long term recovery. Long term recovery could entail community public works redevelopment and revitalization. It presents opportunities to restructure the community and simultaneously making it more resilient with determination of lead-vulnerable pediatric populations. The recovery process involves cooperation of the local agencies, the private sector and non-governmental organizations (such as volunteer organizations, civic organizations, healthcare, and the private sector) and the state. The Flint plan for recovery should outline the basic framework under which the various recovery agencies will operate, leaving the specific and detailed actions to each agency or organization to implement based on the recovery needs of the community and their regulatory authority, fiscal and other resources. This plan could be developed using a Unified Command structure under the direction of the local jurisdiction.

Conclusion:
There are many benefits to the ICS structure for all hazards emergencies. However, utilizing the CHECC at the current stage of this incident without a local ICS structure would appear to be more controlling than coordinating and could have negative outcomes. The deficits in this incident appear to be too many agencies working in silos and a lack of routine, consistent communications horizontally and vertically. A local Unified Command structure could still be implemented to correct these issues.

The CHECC is not required for the state-level assistance that is already being provided by the Michigan Department of Health and Human Services, the Chief Medical Executive, Childhood Lead Poisoning Prevention Program, Environmental Epidemiology and other staff. State level emergency management (SEOC) has not stepped into an operational role in the incident and the CHECC normally follows as support to that command lead. All staffs in the bureau/administration/department however are available to provide technical assistance to public health and healthcare when requested without an ICS structure. If a special team of subject matter experts needs to be assigned it is part of the daily operations and planning (for example with public health investigations of disease outbreaks) used to assist our partners across the state.

The MDHHS Action Plan for the Flint Water Public Health Response, demonstrates the numerous areas where the department is directly involved with federal, state and local partners and itemizes the issues that are being addressed. MDHHS can easily increase the frequency of the Action Plan updates to better ensure appropriate communication of activities with partners such as the Governor's Task Force on Flint Water Issues, the DEQ, the Genesee County Health Department, and others.

Trigger and Description	Scalability of Triggers in Relation to Level of CHECC Activation			
	Level 1	**Level 2**	**Level 3**	**Level 4**
BioWatch Actionable Result (BAR) · *BAR Elevated by BioWatch Advisory Committee*	· BioWatch Sampling Maintained	· BioWatch – BAR Confirmed	· BioWatch – Elevated by BAC · Agent Confirmed by Phase One Sampling · Two BioWatch Site Monitors Confirmed with BARs	Rehabilitation Needed Demobilization of Deployed Resources CHECC Demobilization Plan Implemented Re-supply Requested Physical Restoration Needed Financial Restoration Needed Behavioral Health Needs Identified
Emergency Declaration · *Governor Declares State of Emergency or Disaster* · *Health and Human Services (HHS) Secretary Declares a Public Health Emergency* · *Presidential Emergency or Disaster Declaration* · *A FEMA Region V Jurisdiction Declares Public Health Emergency* · *International Border Declaration/Closure* · *World Health Organization Declaration*	· Absence of National Emergency Declaration · No FEMA V State Declaration	· One or more FEMA V State(s) Declare an Emergency Due to a Threat with Imminent Public Health or Medical Implications	· National Declaration · FEMA V State Declaration Affecting Michigan	
Local/State/National Level Event/Incident · *Emergency Mutual Aid Compact (EMAC) Request(s) in Effect* · *Michigan Emergency Mutual Aid Compact (MEMAC)/Intrastate Mutual Aid Request(s) in Effect* · *Planned Significant Events* · *State Emergency Operations Center (SEOC) Activation* · *Resource Request in Effect Between Local Jurisdictions*	· Absence of State/National Incident/Event	· National Event/Incident Affecting One or More FEMA V State(s) with Public Health or Medical Implications · Planned Significant Event Affecting Michigan	· National Event/Incident Affecting Michigan · EMAC Request Made or Received	
Terrorism Incident · *Terrorist Claim Credible Threat* · *Credible Threat Confirmed by Detection Systems* · *MIOC Bulletin Confirms Credible Threat* · *Resource Request in Effect* · *Detroit Southeast Michigan Intelligence Center Confirms Credible Threat*	· Terrorism Threats Monitored	· Terrorism Incident Reported with Imminent Public Health or Medical Implications	· Terrorism Incident with Imminent Public Health or Medical Implications Confirmed by Intelligence Community	
Severe Weather or Natural Disaster · *Loss of Public Health or Healthcare Infrastructure* · *EMAC Request(s) in Effect* · *MEMAC/Intrastate Mutual Aid Request(s) in Effect* · *Planned Significant Events* · *SEOC Activation* · *Resource Request in Effect (intrastate)* · *Bridge/Border Closing* · *Increased Quarantine Activities* · *Increased Communicable Disease Reporting at Port(s)*	· Natural Disaster	· Natural Disaster Resulting in the Loss of Public Health or Healthcare Infrastructure · Intrastate Surge Resources Requests Received	· Natural Disaster Resulting in the Loss of Public Health or Healthcare Infrastructure Resulting in the Need to Request EMAC or Federal Assistance.	
Port of Entry (Isolation/Quarantine) · *Bridge/Border Closing* · *Increased Quarantine Activities* · *Increased Communicable Disease Reporting at Port(s)*	· Port of Entry Quarantine and Isolation Procedures Maintained.	· More Than One Request for an Increase in Quarantine Activities at a Single Port of Entry.	· Communicable Disease Reported at Port(s) of Entry Exceeds Pre-Identified Thresholds	

Trigger and Description	Scalability of Triggers in Relation to Level of CHECC Activation			
	Level 1	**Level 2**	**Level 3**	**Level 4**
Surveillance · *Unknown Etiology Detected* · *Known Communicable Disease Exceeding Thresholds* · *Unusual Health Events Reported* · *Unknown Etiology Reported as Having Unknown Characteristics Threatening to Public Health* · *Detection of Category A Agent* · *Additional Surveillance Requested*	· Syndromic Surveillance Maintained · No Category A or B Agents Detected	· Syndromic Surveillance Indicates Unknown Etiology with High Mortality/Morbidity Reported in 1-3 People · Category B Agents Detected in >1 People.	· Syndromic Surveillance Indicates Unknown Etiology with High Mortality/Morbidity · Reported in >3 People · Category A Agents Detected in >1 People.	

Michigan Department of Health and Human Services
Governor's Task Force on Flint Water follow up on lead abatement funding questions

What is total funding availability for lead abatement- please list by source?

Current abatement funding available is for abatement of lead-based paint hazards only by federal definition and does not include funding for water remediation.

Currently, the Division of Environmental Health, Healthy Homes Section has **$1,239,761 in state General Funds** and **approximately $450,000 in U. S. Department of Housing and Urban Development (HUD) funds** for lead-based paint hazard abatement for Fiscal Year 2016.

The Healthy Homes Section identified 10 target areas throughout the state for this funding based on number of children with elevated lead levels and amount of pre-1978 housing stock to receive priority for this funding. Genesee County is included as a designated target area. Also included as a target area is Kent County and the City of Grand Rapids as they were not awarded HUD funding during this round.

Amount of HUD funding that GCHD could have applied for had they chosen to do so?

In FY 2015, HUD made available lead-based paint hazard control funding in which agencies could apply for up to $3,325,000 (3 year funding round) for lead hazard abatement. The MDHHS, Healthy Homes Section applied and received $3,231,610 in HUD funds in FY 2015. The Genesee County Health Department and/or the City of Flint did not apply.

How much of the lead abatement funding has historically gone to Genesee County? Wayne County? City of Flint?

Federal
Data from HUD indicates:

City of Flint
No grants awarded.
No history of grants applied for through HUD.

Genesee County
2009 $2,070,000

Applied for grant in 2012, not awarded
Applied for grant in 2014, not awarded

Wayne County (excludes City of Detroit)
1997 $4,994,424

2007 $3,000,000
2012 $2,480,000

Applied for grant in 2009, not awarded
Applied for grant in 2010, not awarded
Applied for grant in 2011, not awarded

City of Detroit

1995 $5,917,839
2002 $2,160,000
2004 $4,000,000
2006 $3,996,680
2009 $3,535,372
2014 $3,637,000

State

Through the Healthy Homes Section, Lead Safe Home Program, since inception of the program in 1997:

Genesee County/City of Flint

Approximately $1,330,688 has been used to abate lead-based paint hazards in approximately 224 homes located in Genesee County, with $1,183,503 (approximately 203 homes) of this funding going directly to homes located in the City of Flint.

Wayne County

Approximately $3,175,249 has been used to abate lead-based paint hazards in approximately 528 homes located in Wayne County, with $2,735,645 (approximately 448 homes) of this funding going directly to homes located in the City of Detroit.

How many homes in city of Flint abated in FY 15? Any homes abated thus far in FY 2016?

Through the MDHHS Lead Safe Home Program, of the 177 homes abated statewide in Fiscal Year 2015, nine were projects located within the City of Flint. In addition, there are currently three enrolled properties within the City of Flint to date in Fiscal Year 2016.

Genesee County and/or the City of Flint did not apply for HUD funding in Fiscal Year 2015 and therefore does not currently have their own funding available for lead-based paint hazard abatement.

From: Lasher, Geralyn (DHHS)
Sent: Thursday, December 03, 2015 2:00 PM
To: chris@environmentalcouncil.org; ksikkema@pscinc.com; reynolds@mottchc.org; Mattdav@med.umich.edu; erothste@grg-ltd.com
Cc: Lyon, Nick (DHHS); Becker, Timothy (DHHS); Grijalva, Nancy (DHHS); Granger, Patricia (DHHS); Baird, Richard (GOV); Weber, Travis (GOV); Wells, Eden (DHHS)
Subject: Summary Data
Attachments: Flint EBL Data Press Release FINAL.PDF; Flint Blood Lead Level Summary Report December.pdf

This afternoon at 2:30 p.m., the Michigan Department of Health and Human Services will issue the attached press release and summary report detailing the latest data on blood lead levels in Flint.

Director Lyon wanted to ensure that members of the Governor's Task Force received this information in advance of the press release being issued.

The summary report provides annual historical information on children younger than six years, children between the ages of six and seventeen years and adults tested for lead. It also provides detail on the number of test results for these category groups that have tested above five micrograms per deciliter. The summary report also provides information on the numbers tested and with elevated blood lead levels since the MDHHS Action Plan began in October.

The preliminary data indicates that 30 of 1,361 adults and children tested in Flint since October 1 had elevated blood lead levels.

Please let us know if there are any additional questions or if you would like to arrange for a conversation with Director Lyon, Dr. Wells or any member of the MDHHS team for additional information.

Thank you,
Geralyn

Geralyn Anne Lasher
Senior Deputy Director for External Relations and Communications
Michigan Department of Health and Human Services
201 Townsend Street, Capitol View Building
Lansing Michigan 48913
P: (517) 241-2112
[redacted]
LasherG@michigan.gov
@glasher

STATE OF MICHIGAN

RICK SNYDER
GOVERNOR

DEPARTMENT OF HEALTH AND HUMAN SERVICES
LANSING

NICK LYON
DIRECTOR

FOR IMMEDIATE RELEASE
December 3, 2015

CONTACT: Jennifer Eisner
(517) 241-2112

MDHHS releases latest data outlining blood lead levels in Flint

Follow-up care, case management resources continue for families

LANSING, Mich. – Preliminary data indicates that 30 of 1,361 adults and children tested in Flint since October 1 had elevated blood lead levels, according to a report issued today by the Michigan Department of Health and Human Services.

This marks the first summary report on lead testing called for in the state's action plan related to health concerns about Flint's water infrastructure.

"Our goal is to help families reduce their exposure to lead sources," said Dr. Eden Wells, MDHHS chief medical executive. "We have made progress in testing and identifying those with elevated blood lead levels, and the department will continue to work closely with the Genesee County Health Department to reach these families. We will remain diligent in our ongoing outreach and education efforts."

Information comes from tests administered citywide to 1,361 children and adults since October 1. Tests showed that 21 of 969 children age 17 or younger and 9 of 392 adults over the age 18 were identified with elevated blood lead levels.

The report covers test results reported to MDHHS since the state action plan was put in place Oct. 2. It includes the number of tests and number of elevated blood lead levels greater than 5 micrograms per deciliter, and captures both capillary and venous blood tests that have been reported to MDHHS since the beginning of October. People who have had multiple tests are counted only once. Five micrograms per deciliter is the level that the Centers for Disease Control and Prevention considers elevated and triggers health care professional follow up with families.

The full report is posted online at www.michigan.gov/flintwater and will be updated as more data becomes available.

When reviewing historical trend data, the risk of lead exposure is highest during the third quarter of each year – July through September. Seasonal variation is the result of a number of factors including increased exposure to lead in dust and soil in the summer months.

In the third quarter of 2010, 8.3 percent of Flint children 6 and under showed elevated blood lead levels. The figure gradually decreased to 4.1 percent in the third quarter of 2013. During the same months in 2014, the figure increased to 7.5 percent and decreased to 6.4 percent in the third quarter of 2015.

– MORE –

Last month, MDHHS collaborated with the county health department and local partners to distribute educational resources and informational letters to Flint parents regarding lead testing. The state is providing funding for GCHD nurses to work with families when an elevated blood lead level has been detected. During these follow-up visits, nurses coordinate with environmental health investigators to meet with families in their homes to identify lead exposures, address questions and provide water filters. People can be exposed to lead from paint, soil, plumbing and other sources.

MDHHS continues to provide free water filters and replacement cartridges to Flint residents at four locations, including the MDHHS Flint offices and the Genesee County Community Action Resource Department. For a full list of locations and hours of distribution, visit www.michigan.gov/flintwater.

To help residents properly install water filters, and to demonstrate how to replace the original when it expires, MDHHS has created an instructional video on its YouTube channel. For updates, visit www.michigan.gov/flintwater.

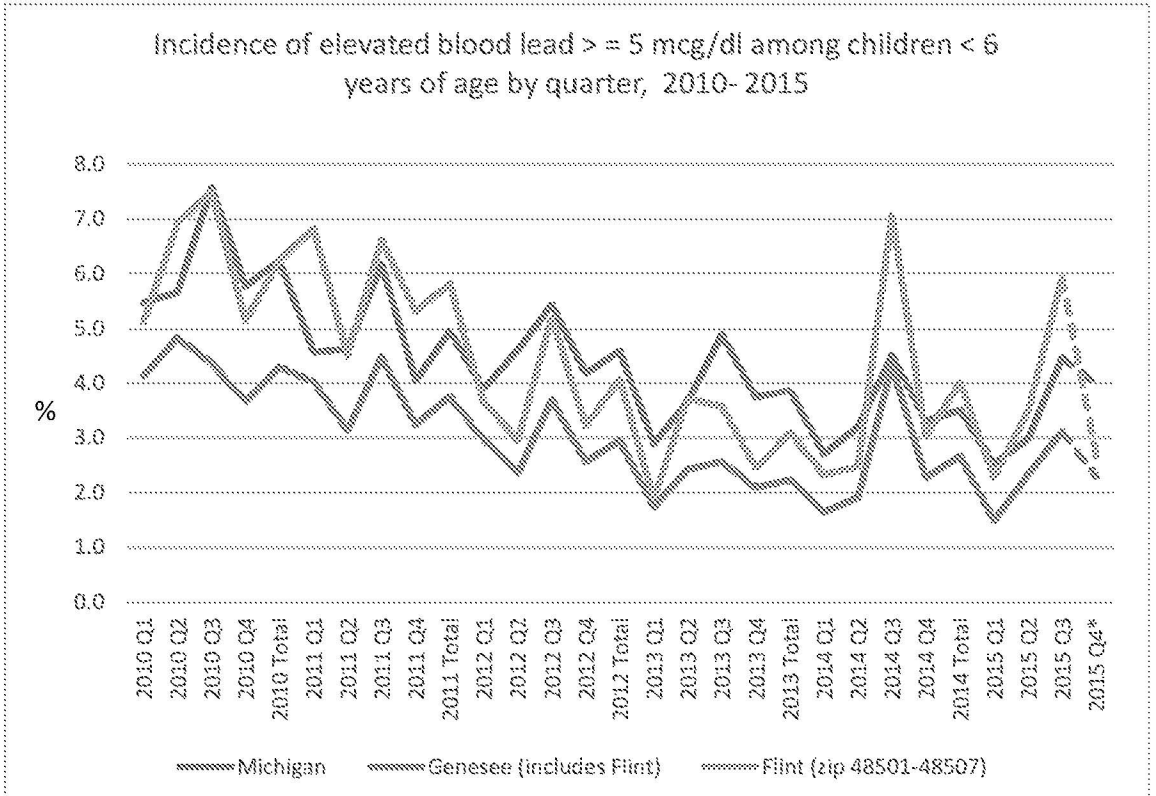
# # #

Michigan Department of Health and Human Services (MDHHS)
Blood Lead Level Test Results for Flint Zip Codes 48501-48507
Genesee County, and the State of Michigan
Summary as of November 13, 2015

Executive Summary

This report is generated by MDHHS to track Blood Lead Level test results in Flint, Michigan.

- Counts on this report include both capillary and venous blood tests. People who have had multiple tests are counted only once per year.
- Since 10/1/2015, an additional 1,361 people have been tested in Flint.
- Continued testing efforts by Genesee County Health Department, MDHHS and local medical personnel have identified 21 children with blood lead levels greater than or equal to 5µg/dL (micrograms per deciliter) since 10/1/2015.
- Three percent of the children younger than 6 years old tested since 10/1/2015 have had blood lead levels greater than or equal to 5µg/dL.
- Additional testing is ongoing. Counts will vary as new results are added.



Deduplicated by year, retains test during the time period.
*Data for Q4 2015 are incomplete

** Data for Quarter 4 of 2015 are incomplete and subject to change*

	Children younger than 6 Years Old			Children 6 to 17 Years Old		
	Michigan	Genesee County	Flint 48501-48507	Michigan	Genesee County	Flint 48501-48507
Total tested for lead 1/1/2010 to 12/31/2010:	152,608	6,932	3,560	17,963	867	463
Number of test results ≥5µg/dL 1/1/2010 to 12/31/10:	9,509	298	222	907	25	20
Total tested for lead from 1/1/2011 to 12/31/2011:	149,420	6,667	3,093	15,725	1,038	544
Number of test results ≥5µg/dL 1/1/2011 to 12/31/11:	7,392	250	180	651	20	15
Total tested for lead 1/1/2012 to 12/31/2012:	146,142	7,008	3,112	15,460	1,386	630
Number of test results ≥5µg/dL 1/1/2012 to 12/31/12:	6,704	206	127	478	17	12
Total tested for lead 1/1/2013 to 12/31/2013:	145,813	6,986	3,077	13,897	1,241	566
Number of test results ≥5µg/dL 1/1/2013 to 12/31/13:	5,647	156	95	342	9	4
Total tested for lead 1/1/2014 to 12/31/2014:	141,355	6,690	3,045	12,936	913	428
Number of test results ≥5µg/dL 1/1/2014 to 12/31/14:	4,948	178	122	386	6	5
Total tested for lead 1/1/2015 to 11/13/2015:	120,699	5,778	2,704	10,841	1,197	765
Number of test results ≥5µg/dL 1/1/2015 to 11/13/2015:	4,200	149	101	309	10	8
Total tested for lead 10/1/2015 to 11/13/2015:	14,593	957	560	1,412	502	409
Number of test results ≥5µg/dL 10/1/2015 to 11/13/2015:	583	22	15	38	6	6

** Data for Quarter 4 of 2015 are incomplete and subject to change*

	Adults 18 Years and Older			Total Number of People of All Ages Tested		
	Michigan	Genesee County	Flint 48501-48507	Michigan	Genesee County	Flint 48501-48507
Total tested for lead 1/1/2010 to 12/31/2010:	13,853	602	195	184,424	8,401	4,218
Number of test results ≥5µg/dL 1/1/2010 to 12/31/10:	1,462	42	18	11,878	365	260
Total tested for lead 1/1/2011 to 12/31/2011:	13,259	542	139	178,404	8,247	2,726
Number of test results ≥5µg/dL 1/1/2011 to 12/31/11:	1,369	44	16	9,412	314	211
Total tested for lead 1/1/2012 to 12/31/2012:	13,059	556	155	174,661	8,950	3,907
Number of test results ≥5µg/dL 1/1/2012 to 12/31/12:	1,415	33	11	8,597	256	150
Total tested for lead 1/1/2013 to 12/31/2013:	12,199	498	136	171,909	8,725	3,779
Number of test results ≥5µg/dL 1/1/2013 to 12/31/13:	1,499	54	16	7,488	219	115
Total tested for lead 1/1/2014 to 12/31/2014:	12,684	441	112	166,975	8,044	3,585
Number of test results ≥5µg/dL 1/1/2014 to 12/31/14:	1,422	44	12	6,756	228	139
Total tested for lead 1/1/2015 to 11/13/2015:	11,685	860	526	143,225	7,835	3,995
Number of test results ≥5µg/dL 1/1/2015 to 11/13/2015:	1,195	30	15	5,704	204	124
Total tested for lead 10/1/2015 to 11/13/2015:	1,615	483	392	17,620	1,942	1,361
Number of test results ≥5µg/dL 10/1/2015 to 11/13/2015:	160	11	9	781	44	30

** Data for Quarter 4 of 2015 are incomplete and subject to change*

From: Reynolds, Lawrence <LawrenceR@mottchc.org>
Sent: Thursday, December 03, 2015 3:36 PM
To: Lasher, Geralyn (DHHS); chris@environmentalcouncil.org; ksikkema@pscinc.com; Mattdav@med.umich.edu; erothste@grg-ltd.com
Cc: Lyon, Nick (DHHS); Becker, Timothy (DHHS); Grijalva, Nancy (DHHS); Granger, Patricia (DHHS); Baird, Richard (GOV); Weber, Travis (GOV); Wells, Eden (DHHS)
Subject: RE: Summary Data

This is a good start but maybe lacking context . Would GIS software identify clusters ? I am disappointed to see, at this moment , that Dr. Edward's study and Dr. Mona's study which have more granular reporting are given no credence. Is there a reason ? You must understand that the areas with the most problems in blood and water are where I have spent the last 24 years in service.

From: Lasher, Geralyn (DHHS) [mailto:lasherg@michigan.gov]
Sent: Thursday, December 03, 2015 2:00 PM
To: chris@environmentalcouncil.org; ksikkema@pscinc.com; Reynolds, Lawrence; Mattdav@med.umich.edu; erothste@grg-ltd.com
Cc: Lyon, Nick (DHHS); Becker, Timothy (DHHS); Grijalva, Nancy (DHHS); Granger, Patricia (DHHS); Baird, Richard (GOV); webert7@michigan.gov; Wells, Eden (DHHS)
Subject: Summary Data

This afternoon at 2:30 p.m., the Michigan Department of Health and Human Services will issue the attached press release and summary report detailing the latest data on blood lead levels in Flint.

Director Lyon wanted to ensure that members of the Governor's Task Force received this information in advance of the press release being issued.

The summary report provides annual historical information on children younger than six years, children between the ages of six and seventeen years and adults tested for lead. It also provides detail on the number of test results for these category groups that have tested above five micrograms per deciliter. The summary report also provides information on the numbers tested and with elevated blood lead levels since the MDHHS Action Plan began in October.

The preliminary data indicates that 30 of 1,361 adults and children tested in Flint since October 1 had elevated blood lead levels.

Please let us know if there are any additional questions or if you would like to arrange for a conversation with Director Lyon, Dr. Wells or any member of the MDHHS team for additional information.

Thank you,
Geralyn

Geralyn Anne Lasher
Senior Deputy Director for External Relations and Communications
Michigan Department of Health and Human Services
201 Townsend Street, Capitol View Building
Lansing Michigan 48913
P: (517) 241-2112
[redacted]

LasherG@michigan.gov
@glasher

From: Heaton, Anna (GOV)
Sent: Wednesday, December 16, 2015 11:32 AM
To: Weber, Travis (GOV)
Subject: FW: re: How people in Flint were stripped of a basic human need: safe drinking water

From: Heaton, Anna (GOV)
Sent: Wednesday, December 16, 2015 11:25 AM
To: 'lmsmi@umich.edu' <lmsmi@umich.edu>
Cc: 'vduffy@umich.edu' <vduffy@umich.edu>; Murray, David (GOV) <MurrayD1@michigan.gov>; Holland, Meegan (GOV) <HollandM2@michigan.gov>
Subject: re: How people in Flint were stripped of a basic human need: safe drinking water

Hi Lindsey,

In your Michigan Radio documentary on Flint water, you missed an important piece in your timeline, where you wrote *"…And once Detroit realized Flint was going to leave its system, it jacked Flint's water rates up even more – to the tune of $10 million over the two years the new pipeline would be under construction.*

So in the spring of 2013, Detroit kind of had Flint over a barrel.

It was state treasury officials who got creative.

Their solution?

Forget Detroit, Flint's emergency manager said. Let Flint get really cheap water from the Flint River."

That's not factual information for your readers and listeners. In fact, in the spring of 2013, the Flint City Council, and Mayor Walling, made the decision to switch to Karegnondi, and in the meantime, take some of its water from the Flint River. This was approved at the city council meeting in a 7-1 vote on Monday, March 25, 2013. Their decision was then sent to the emergency manager to approve. In fact, at the time, Flint City Council President Scott Kincaid said "I've never been a fan of staying with Detroit."

It is critical to note that Flint and Genesee Co. had been in discussions to start their own water authority for years before this decision was reached. They had been gathering information on a switch and leaning toward that decision far before the Gov. was even in office.

Here is a link to the city council resolutions, as well as a comprehensive story from 2013 on that city council's decision. http://www.mlive.com/news/flint/index.ssf/2013/03/flint_city_council_approves_re.html

This needs to be corrected, and quickly. Please let me know if you'd like any additional information or resources to add to the timeline of events published yesterday.

Thank you,

Anna Heaton
Deputy Press Secretary |Gov. Rick Snyder
o: 517-241-6049|[redacted]

From: Weber, Travis (GOV)
Sent: Tuesday, June 02, 2015 10:04 AM
To: Workman, Wayne (TREASURY)
Cc: Headen, Frederick (Treasury)
Subject: FW: Local Government Update
Attachments: Loc Gov Update May 2015.docx

Wayne,
Could you add me to this distribution list in the future? Thank you!

Travis W. Weber
Deputy Legal Counsel
Executive Office of the Governor
111 South Capital Avenue
P.O. Box 30013
Lansing , Michigan 48909
517.241.5630 (o), WeberT7@michigan.gov

From: Allard, Claire (GOV)
Sent: Tuesday, June 02, 2015 10:03 AM
To: Redford, James (GOV); Weber, Travis (GOV)
Subject: FW: Local Government Update

As promised.

Thanks,
Claire

From: Workman, Wayne (TREASURY)
Sent: Friday, May 15, 2015 12:42 PM
To: Scott, Allison (GOV); Muchmore, Dennis (GOV); Clement, Elizabeth (GOV)
Cc: Baird, Richard (GOV); Wurfel, Sara (GOV); Wisniewski, Wendy (GOV); Khouri, Nick (TREASURY); Saxton, Thomas (Treasury); Koryzno, Edward (Treasury); Roberts, John (DTMB); Allard, Claire (GOV); Workman, Wayne (TREASURY)
Subject: Local Government Update

Allison, Dennis, and Beth: Attached is the periodic update on distressed local governments. Please pass on to the Governor as appropriate. If you have any questions, please don't hesitate to call. Wayne

3500 (Rev. 01-11)

STATE OF MICHIGAN
DEPARTMENT OF TREASURY

RICK SNYDER
GOVERNOR

NICK A. KHOURI
STATE TREASURER

DATE: May 15, 2015

TO: Rick Snyder, Governor

FROM: Wayne Workman, Deputy State Treasurer

SUBJECT: Status of Financially Stressed Local Governments

EMERGENCY MANAGER

Redacted Pages 1-4

Redacted

- The City of Flint continues to inform residents that it is in violation of the Clean Water Standards Act, after unsafe levels of trihalomethanes (TTHM, a disinfectant by-product) were found in the water. Recent testing by the Michigan Department of Environmental Quality (MDEQ) Testing Lab showed that the total TTHM levels for the month of March are well within the Environmental Protection Agency (EPA) guidelines for safe water. However, because EPA regulations require that the four month average for all testing sites be within certain guidelines, the city is still considered to be non-compliant by the MDEQ. Monthly testing remains ongoing and is being conducted by several parties.
- The city hired Veolia to provide an analysis of the water system, including recommended improvements and associated costs. Recommendations included water plant improvements, distribution system improvements, new policies and procedures, and better communication with customers. The city is installing a $1.5M granulated active-charcoal filter to improve water quality. This filter installation will be completed in mid-July.

Redacted

Redacted Pages 6-10

From: Baird, Richard (GOV)
Sent: Wednesday, December 30, 2015 7:01 PM
To: Scott, Allison (GOV)
Subject: FW: Attorney Client Work Product (Draft), Privileged and Confidential
Attachments: A Proposal to Create the Flint Water Inter.docx; IA Coord Com Org Chart.jpg; IAP Flint Water 2015-12-29.pdf

fyi

From: Baird, Richard (GOV)
Sent: Wednesday, December 30, 2015 6:57 PM
To: Agen, Jarrod (GOV); Clement, Elizabeth (GOV); Hollins, Harvey (GOV); Kelenske, Chris (MSP); Holland, Meegan (GOV); Murray, David (GOV); Redford, James (GOV); Becker, Timothy (DHHS); Creagh, Keith (DNR); Roberts, John (DTMB)
Cc: Etue, Kriste (EtueK@michigan.gov); Nick Lyon
Subject: Attorney Client Work Product (Draft), Privileged and Confidential

Team:

Today Harvey and I met with the Flint Water Task Force. It was a good meeting. People were pleased with the G's statement from the prior day. Captain Kelenske joined us and we had a very good discussion about moving forward with the creation of the Flint Water Crisis Agency Coordinating Committee (FIACC). Tim Becker and Captain Kelenske provided me with a fair amount of input. I also read the City of Flint Incident Action Plan for a State of Emergency which Chris received today (enclosed for those who wish to read it as well). I have distilled all of this into a two page plan that I want your edits and comments on and a one page organizational chart (now presented in the "governor's colors" according to our fine people in Communications). Spoiler alert—I made Captain Kelenske Vice Chair of the whole shebang (with the Colonel's blessing) so Harvey wouldn't get lonely.

Here is my ask of you:

1) Within 24 (sooner if you can) hours give me your comments and input
2) Tomorrow I will turn around a final document for Jarrod to review with the Governor either New Year's Day or Saturday
3) Ideally, Governor will approve Harvey sending it to Mayor Weaver Saturday (Sunday latest)
4) Mayor needs to know that this is what the Governor wishes to discuss at the meeting January 7 along with financial resources that we still need some estimates on cost from DHHS for
5) Meegan and Dave need to noodle how best to get out front with this and change the narrative focus on Monday's Genesee County declaration of emergency

I know we are all working way too hard for what should be a rest and recharge period but I do appreciate everyone's efforts and I know the Boss really does as well.

Regards,

Rich

A Proposal to Create the Flint Water Inter-Agency Coordinating Committee (FIACC)

In collaboration with the Flint After-Action Task Force, MSP Captain Chris Kelenske, DHHS Chief Deputy Tim Becker and DHHS Director Nick Lyon, Harvey Hollins and Rich Baird are recommending the immediate creation of the above referenced entity, with its sustained role and responsibility enabled under the Governor's Executive Order.

Statement of Need

Due to a combination of resource constraints, inexperienced personnel, "silo" bureaucratic processes and reactionary approaches to immediate problems, there is a nearly complete lack of coordination, communication, and connected management amongst all the departments and stakeholders who must work together to ensure Flint's return to clean, safe water and to coordinate mid and long term efforts to mitigate and address future health and behavioral consequences from lead ingestion. This group MUST be stood up regardless of whether (or when) the conditions required for a declaration of emergency are met by the City, County, State or Federal authorizers. This coordinating body must include:

- The creation of a routine information process between all parties.
- Pursuit of other avenues of funding including federal grants and legislative appropriations.
- While the Emergency Management Act or the Stafford Disaster Relief and Emergency Assistance Act may be mechanisms to fix the issues in Flint, portions of the Emergency Management Act outlining management of events are applicable and should be implemented without delay (e.g. Local emergency operations plans/emergency operations guides as well as emergency operations support plans).

Action Plan and Establishing the FIACCC

It appears that a request for a Governor's declaration may be from the county as soon as January 4, 2016. The state's Emergency Coordinator (Capt. Kelenske) will evaluate the request and provide a recommendation whether to issue a declaration, following established protocol and due diligence. But immediately, we will:

1. Establish an interagency workgroup Chaired and Vice-Chaired by Harvey Hollins and Chris Kelenske, respectively, and be comprised of DHHS, MDEQ, MSP, Treasury, Genesee County, City of Flint, MDE, LARA and external Subject Matter Experts (SMEs). Civil Rights may be added at a later time. If additional agencies/stakeholders who can assist with accomplishing the action plan are needed, they will be added. Personnel must be goal oriented, transparent with findings and measures of progress, and able to work toward accomplishing the Incident Action Plan created by the state in a timely manner. A draft Organization Chart is attached under separate cover.
2. This body should be created by Executive Order and it must complement and not replace the current system under the Emergency Management Act. In fact, it should demonstrate how to best leverage support where existing laws fall short under a man-made emergency.
3. Utilize the National Incident Management System and Unified/Incident Command as appropriate.
4. Establish routine communications protocols at the operational, executive, and legislative levels as determined appropriate.
5. Establish interagency workgroup objectives using the following as a starting point.

Interagency Workgroup Objectives

1. Determine and convey acceptable standards for potable water.

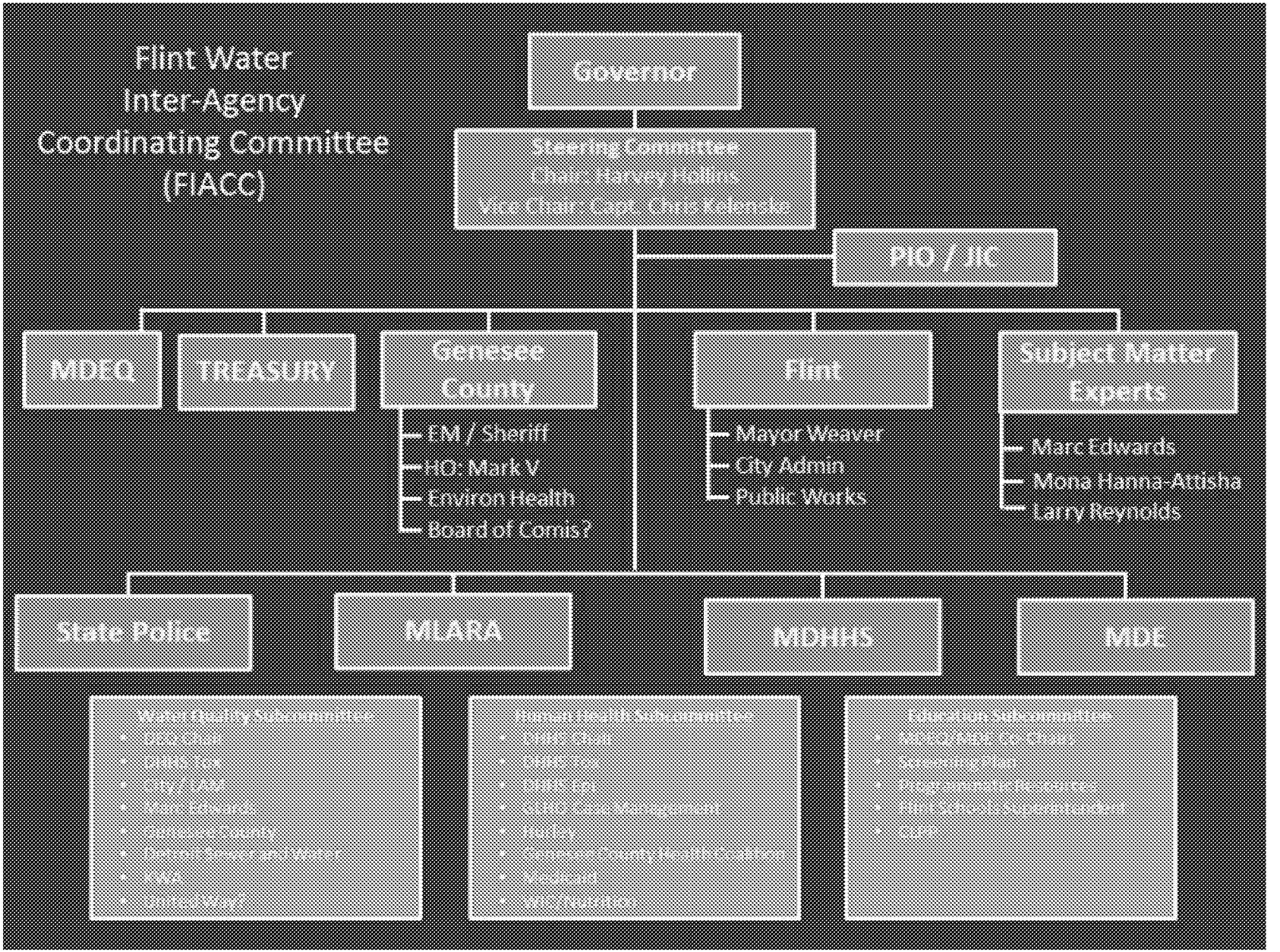
- Identify needed remediation.
- Convey the remediation plan objectives to all stakeholders and interested parties.
- Logistics plan for distribution and serving homebound citizens with water and filtration
- Implement the plan.

2. Determine health impacts for the impacted population.
    - Identify treatment methods.
    - Nutrition education and support
    - Coping with lead exposure (care, monitoring, neurodevelopmental screening, access to DBP specialists, psychologists/psychiatrists, expanded county services, etc.)
    - Convey the treatment plan objectives to interested parties.
    - Implement the plan.
3. Establish a public information protocol to effectively inform the community of the situation and actions taken.
    - Identify existing Public Information outlets within the city, county, and state.
    - Establish a Joint Information Center
    - Provide for Emergency Alerts and Updates
    - Leverage public and private education schools
    - Determine official information flow and approval of information.
    - Convey to interested parties.
4. Assess the status of the infrastructure and determine feasible actions to upgrade the water system.
    - Determine current state of the infrastructure.
    - Develop priorities, costs, and potential funding sources for infrastructure upgrades as part of a long term recovery plan.
    - Seek partners to assist (NGOs, Foundations, Business, etc.)
    - Implement the plan.

<u>Final Thoughts</u>

After the team provides input to this document, I would ask that Governor Snyder review and approve the approach, authorize Harvey Hollins to get the plan to Mayor Weaver no later than this weekend, and then proactively communicate the plan regardless of whether we get an Emergency declaration or not.

Also, we do believe setting up an Emergency Command Center which requires 24/7 staffing is sensible until AFTER Genesee County has demonstrated they did all they could and couldn't solve the problem. That is what is required under the law.


Flint Water Inter-Agency Coordinating Committee (FIACC)
Governor
Steering Committee
Chair: Harvey Hollins
Vice Chair: Capt. Chris Kolenda
PIO / JIC
MDEQ
TREASURY
Genesee County
EM / Sheriff
HD: Mark V
Environ Health
Board of Comis?
Flint
Mayor Weaver
City Admin
Public Works
Subject Matter Experts
Marc Edwards
Mona Hanna-Attisha
Larry Reynolds
State Police
MEARA
MDHHS
MDE
Water Quality Subcommittee
Public Health Subcommittee
Education Subcommittee

CITY OF FLINT

INCIDENT ACTION PLAN

STATE OF EMERGENCY

Objectives:

To provide short term relief and long term solutions in addressing the man-made emergency of increased lead levels in the City of Flint (the "City") water system resulting from the switch to Flint River as the City's water source as well as the threat to public health related to elevated blood lead levels in Flint residents, without interruption of the provision of public safety and other essential public services. Due to the fluidic nature of emergencies and the complexity of the City of Flint's declared emergency, this plan serves as a framework and may be altered as the emergency develops.

The Response Framework

The purpose of this plan is to organize efforts on behalf of the city to assess the extent of the City's infrastructure needs and risks to public health, provide immediate relief to those who are at risk, and establish long term solutions. In addition, the city must ascertain what immediate relief and long term solutions the City is capable of implementing based on what resources are available. For any activities that are beyond the resource capacity of the City, external sources of funding, supplies, and manpower must be sought.

There are a number of steps that must be taken in accordance with the Flint Emergency Support Operations Plan (SEOP), in order for the City to be compliant with the Genesee County Emergency Action Guidelines. These include the activation of the Incident Management Team, the Emergency Operation Center, and the sharing of essential documents with the County, including this plan. Information must also be shared by the City's Public Information Officer on a regular basis, as required by the SEOP.

This plan calls for the provision of immediate relief to those at risk in our community. Special consideration must be given to residents who belong to underserved groups, such as those who are homebound, undocumented, in poverty, etc. Additional consideration must also be given to the equitable provision of services throughout our community in order to equally protect the health and safety of every member of our community.

Implementation of this plan is to be conducted by the Incident Management Team, which will monitor the effective delivery of goods and services in order to address the conditions of the emergency.

Understanding the Issue:

October 1, 2015, the Genesee County Health Department issued a Public Health Emergency after elevated blood-lead levels were found among children in the City of Flint. This incident correlates with elevated levels of lead found in the City's drinking water after the City switched water sources in April of

2014 to the Flint River. The scope of this problem appears to be limited to Flint City Water Customers and their dependents. Public agencies from several levels of government, as well as charitable, nonprofit organizations have partnered with the City to provide immediate relief to Flint residents, including the expansion of health services, the provision of bottled water and NSF rated water filters. The city is also seeking long term infrastructure improvements to eliminate lead and other contaminants from the water system.

Gov. Rick Snyder appointed a task force to review "actions regarding water use and testing in Flint" and to make recommendations for future guidelines: Members of the state task force are Ken Sikkema of Public Sector Consultants, Chris Kolb of the Michigan Environmental Council, Dr. Matthew Davis of the University of Michigan Health System, Eric Rothstein of the Galardi Rothstein Group and Dr. Lawrence Reynolds of Mott Children's Health Center.

In an effort to halt the further escalation of this crisis, the City returned to receiving its water from the Detroit Water and Sewerage Department (DWSD) on October 16, 2015. Since that time, additional corrosion control program has started, estimating a reduction of lead levels over the next six months. In light of these efforts, concerns surrounding the quality of water and health of the residents persist to the point that Mayor Karen Weaver declared a State of Emergency on December 14, 2015 so as to resolve this crisis once and for all.

The current challenge facing the City is providing immediate relief and long term solutions of the quality of the water and health of residents while the City remains in a financially critical condition. It is hoped and expected that higher levels of government recognize this emergency as it pertains to the condition of the City's infrastructure and health of its residents, and do all things necessary to assist the City in the provision of relief and the execution of capital improvement projects that will eliminate the causes of this emergency.

Enhancing Understanding:

Information Collection

Essential Elements of Information (EEIs) can be qualified as the City's water tests containing lead results, the verification of lead water lines (both public and private), and health information. Water testing is performed by the City's water plant in cooperation with the MDEQ. The verification of lead water lines is being handled by University of Michigan Flint, who is currently digitizing the City's water line information and PSI Engineering, who is initiating the effort to verify lead lines by excavating an initial 150 residential lines. This information allows the Incident Management Team to assess the current condition of the emergency by way of determining the water quality and the condition of the water distribution infrastructure.

Information Analysis

The City has sought partners to assist in the analysis and attenuation of complex data. Wayne State University's center for Urban Studies has agreed to assist the City in its efforts to document and track lead water lines, water test results, and filter distribution with geographic information system (GIS) technology. This allows for easily updateable, digestible information to be presented to officials.

Assessment of Impacts

The City will need assistance in determining the total cost of damage done to the public health and infrastructure. As of now, only portions of this damage are visible.

PSI is providing some assistance by excavating 150 residential water lines to verify that they are comprised of lead. This is an initial step, but not enough. More resources will be needed to continue this process.

Continuous Situational Awareness

It is important that the Emergency Management Team receive continuous information regarding water testing results, lead water line numbers, and filter distribution information in order to gain a realistic and current perspective. Much of his information is currently available on the City's website (cityofflint.com) and more is added each week by the PIO team.

Actions taken in Response to the Emergency

Activation of the Incident Management Team

Upon the declaration of Emergency by Mayor Weaver, the Support Emergency Operations Plan (SEOP) was activated. The SEOP calls upon the Incident Management Team to generate the Incident Action Plan (IAP. Each member of this team serves a specific function as it relates to addressing the causes and effects of the emergency. The Emergency Management Team roster can be found in the SEOP on page 3, with a list of alternates on page 4 in case the need for succession arises.

Emergency Operations Center

The Emergency Operations Center (EOC) must be activated upon the declaration of a State of Emergency by the Mayor. This center is required by the SEOP and serves as a nerve center for the Incident Management Team. Here, emergency relief efforts are coordinated by key members of the Incident Management Team. In this case, these relief efforts consist of the distribution of water filters at

City Hall and community events, the distribution of bottled water throughout the city in conjunction with the efforts of community partners, and assisting with the circulation of water testing kits throughout the community. The EOC will also be monitoring and managing the inventory of relief supplies, such as water filters and bottled water.

According to the SEOP, the EOC must establish an incident tracking system. This system will serve as a work plan for the management of the emergency. In addition, it is essential that the IMT record water testing results, lead water line location information, and information about the distribution of water filters and bottled water all in one place so that information is readily available for the Incident Management Team. This information will also be sent out to the public and media in the form of daily regular updates by the City's PIO.

Communication

The EOC maintains a telephone system that exists to intake questions about relief efforts and to organize relief logistics. It is open from 8am to 5pm, Monday through Friday. A voicemail system and eventual email system will exist to handle requests and inquiries that occur outside of the normal operating hours. This system will be constructed by the City's IS department.

Public Awareness and Education

1. **Emergency Alerts and Updates:**
   The City's Public Information Officer will make available information as it relates to the emergency in the form of press releases, emails, and physical documents. Daily updates containing information on the distribution of water filters, bottled water, water testing, blood lead testing, and other relief efforts will be available on the City's website for the public to view. Information will be available at City Hall for residents.

2. **Joint Information Center:**
   The City's PIO will establish a joint Information Center that is organized to coordinate the efforts of multiple agencies to communicate with the public. This includes the circulation of joint press releases, public health information, educational materials, and updates relating to the State of Emergency. This committee is comprised of public information officers and public relations personnel to coordinate efforts to keep the public updated and informed. Regular updates to the media regarding events and progress will be made as news develops.

   The US EPA has offered assistance in the form of Public Information support. Additional support in this area has been provided by the Michigan State Police.

3. **Education:**
   Many government agencies and philanthropic organizations are already distributing information regarding the effects of lead on public health. It is important that the City assist in these efforts so vital information and knowledge is presented to all members of the community. The goal is to continue to eliminate misunderstandings and incorrect information as it relates to reducing lead in drinking water, pursuing medical help, and maintaining a healthy diet to reduce lead absorption in the body. Lead education is currently being performed by the Genesee County Health Department, the Michigan Department of Health and Human Services and Medical community at-large.

Assessment of Social Needs

In order to effectively and equitably provide immediate relief to Flint water customers, the City must take into account many of the socio-economic needs and limitations of the community. Some residents cannot get to City Hall for a water filter. Some residents do not have internet access. Literacy or a language barrier may also pose significant obstacles to the effective distribution of educational information and relief to those in need. These will be continuing challenges facing the community. At present these are the resources the City has available to mitigate some of those challenges.

Logistics

Logistics are being coordinated by the City Emergency Management Team's City's *Chief Logistics Officer*, who is the City Administrator. The CLO is responsible for the coordination, procurement, and transportation of goods and services, which is essential for effective implementation of the response plan.

Fixed Distribution Points

There are several locations throughout the city where residents may acquire a water filter. These locations are:

Flint City Hall
1101 South Saginaw, Flint MI 48502

Genesee County Community Action Resource Department (GCCARD)
601 North Saginaw, Flint MI 48502
and
2727 Lippencott Blvd, Flint MI 48507

Michigan Department of Health and Human Services
4809 Clio Road, Flint MI 48504
and
125 E. Union Street, Flint, MI 48502

Activation of Ward Distribution Centers

Each of the nine wards will have activated distribution centers that are primarily managed by City Council Members or their designees.

Flint City Council – Water Distribution Sites

WARD	COUNCILPERSON	LOCATION	ADDRESS
1	Eric Mays	Hasselbring Senior Center	1002 W. Home Avenue
2	Jackie Poplar	Joy Tabernacle Church	2505 N. Chevrolet Avenue
3	Kerry Nelson	Antioch Baptist Church	1083 E. Stewart Avenue
4	Joshua Freeman	Flint Fire Station No. 5	3402 Western Road
5	Wantwaz Davis	Doyle/Ryder Elementary School	1040 N. Saginaw Street
6	Herbert Winfrey	New Community Baptist Church	1375 Lavender Avenue
7	Monica Galloway	Brennan Community Center	1301 Pingree Avenue
8	Vicki VanBuren	Flint Southwestern Academy	1420 W. 12th Street
9	Scott Kincaid	Dort Mall Police Service Station	3600 S. Dort Highway

Mobile Distribution Centers

With the help of transportation agencies, like the Metro Transit Authority (MTA), meals on wheels, and GCCARD, the city can help establish mobile distribution centers and delivery systems that can provide water filters, bottled water, and nutritious foods, among other types of relief accompanied by educational materials to neighborhoods and to homes of people who experience limited mobility.

- Mass Transportation Authority-MTA bus passes: Assisting residents with bus passes to improve their mobility will increase their chances of receiving help. Transportation services will also improve residents' access to medical care.
- MTA-Your Ride mobile distribution:
    - Estimated Costs: $25 per hour to deliver water and filters to homes throughout the City.

Problem 1. Public Health Emergency

The first objective in addressing this emergency is reducing, and eventually eliminating, the danger to public health. As City water coming out of faucets continue to contain lead, and copper and other

harmful contaminants exceeding government guidelines and regulations, it poses a risk to the people of our community. Preventative measures must be taken to avoid the effects of toxicosis that are difficult if not impossible to completely reverse.

As far as preventative measures are concerned, education, water filters, and bottled water must be provided to every household in the City in order to reduce the chances of lead exposure, especially to our most vulnerable members of the community. If lead exposure has occurred, resulting in elevated blood lead levels, immediate and sustained medical attention must be available to those affected. Health services must be expanded in the area to accommodate increased numbers of case loads and specialized care regarding lead poisoning and its effects.

Immediate Relief for Public Health:

1. Prevention: Education, water filters and replacement cartridges, free water testing, and bottled water must be available to everyone.
2. Access to nutritious food that reduces the risks of lead absorption by the body. The City can coordinate activities with the County Health Department

Long Term Solutions: Maintaining Public Health and Coping with Lead Exposure

1. Work closely with the Genesee County Health Department and Michigan Department of Health and Human Services in order to provide sustainable care and monitoring of children exposed to lead. This care must be available for them for several years-preferably several decades.
2. Support and education for primary care providers regarding aggressive long-term neurodevelopmental screening and testing.
3. Improved access to developmental and behavioral (DBP) specialists, pediatric psychologists, pediatric psychiatrists.
    a. Pre-emptive referral to mental health/ toxic stress screenings.
    b. Support capacity building and or incentivize recruitment to allow Genesee health system (CMH) to build this capacity which is currently needed and lacking.
4. Increase recognition and education regarding trauma informed care, social determinants of health (SDOH).
5. Expand State funded Genesee Health System (CMH) services.
    a. Infant mental health (30 day capacity)
    b. Child case management
    c. Home based services
    d. Trauma informed care- trauma focused CBT

Problem 2. Lead Contamination in the Water

Immediate Relief:

1. Education, water filters and replacement cartridges, free water testing for water customers, and bottled water must be available to everyone. Water filters can be obtained at any of the fixed distribution points throughout the City.
2. Identification and verification of lead water service lines throughout the city- both public and private.
3. Assistance to identify lead pipes within buildings and homes.

Distribution of Bottled Water:
At this point, we are directing all offers for donations to the Food Bank of Eastern Michigan. It is imperative that water be accessible to all members of the community through a variety of distribution channels. These channels are explained in the Logistics Section of this plan.

Distribution of Test Bottles:
Water testing kits can be picked up at City Hall with instructions. Test results are posted on the City's website to raise public awareness and encourage more participation.

Long term Solutions: Capital Improvements Needs
The distribution of filters, water, and food to counter the effects of lead are essential response efforts to keep people safe. However, long term solutions are required to keep people healthy, to eliminate lead from the public and private water distribution system distribution, and to provide affordable clean water. Our public infrastructure and utilities must be reliable, sustainable, and equitable in order for this community to rebound after this emergency. The following long term solutions must be implemented in order to set the City of Flint on a course for recovery. These solutions come at a heavy cost for a City that is currently in receivership. The City has experienced financial distress due to this Emergency, in addition to a two million dollar loss from switching back to DWSD. The City has diligently applied for Fiscally Distressed Cities, Villages, and Townships, Grant in order to supplement funding for capital improvement projects. It is essential that these grants be awarded in order to achieve long term solutions.

1. COMPLETE **Transition to a Temporary Safe Water Source until the Completion of KWA:**
   This has already occurred. On October 16, 2015, Flint returned to receiving its water from DWSD on a 9 month agreement. This agreement will expire in June 2016, when the KWA is projected to be complete. The City had to pay $2 million out of its general fund to make this switch.

2. IN PROGRESS **Additional Corrosion Control added to the Water System:**

This is already occurring. In early December, 2015, Flint began to add additional corrosion control to the water coming in from DWSD in attempts to rebuild the protective scale inside its pipes. This is estimated to reduce lead levels in two to six months.

3. **Faucet Replacement:**
   Replacement of Water faucets, and drinking fountains in the school system. It has been determined after state inspections that many sources of lead contamination in the School System's water were the faucets themselves. These faucets need to be replaced.

4. **Water Line Replacement:**
   Water Line Replacement to reduce antiquated infrastructure and lead service lines. These lines must be identified, verified, and replaced. Residents who are facing financial hardships must have access to assistance to cover the costs of these replacements through access to grants and (forgivable) loans made available through State and Federal agencies. The corrosion damage to public and private lines that Flint River water caused is still being determined.
   - Replacement of an estimated fifteen thousand (15,000) lead service lines at an estimated cost of three thousand dollars ($3,000) per line. Total costs forty –five million dollars ($45,000,000). This project is estimated to be one of the most cost-intensive endeavors related to ameliorating water contaminants.

5. **Reimbursement of Critical Expenditures:**
   Seeking reimbursement of two million dollar cost of returning to DWSD and forgiveness of Water Revolving Loan Debt from the State of Michigan.

6. **KWA Capital Improvements**: The City has reconnected to Detroit temporarily until a water line from Port Huron is developed. The new water line known as the KWA pipeline or Karegnondi Water Authority is expected to bring water to the City from Lake Huron by July. The current cost agreement between Flint and DWSD is for nine months, therefore it is imperative that KWA be completed as soon as possible. Assistance relating to capital improvements to expedite this process will help to achieve long term goals.

KWA Capital Improvements:	**Estimated Costs:**
a. Transfer Station to Dort Reservoir	*$4,500,000*
b. Raw water line to pump station #4	*$636,000*
c. Phosphoric acid feed system	*$186,000*
d. Alum Feed system	*$40,000*
e. Post filtration system	*$387,289*

f.	*SCADA Upgrades*	*$424,000*
g.	*Sewer Relining*	*$100,000*
	Total	***$6,273,289***

Ancillary Considerations: Public Safety during an Emergency

During a time of emergency public safety agencies need to be prepared to respond to threats to public safety and critical infrastructure. The City is facing a man-made emergency that is threatening the public health. Resentment and hostility toward local institutions and municipal government is at a significant level.

Critical infrastructure should be safeguarded if the need arises. This includes increasing security at City Hall to reduce potential for public safety risks. In the case of credible threats to public infrastructure, it may be required to hire private security company for first line of defense. Private Security is lower cost, thereby making it the first option. The minimum response is acted upon first, elevating only if the need arises. Credible or imminent threats of damage or destruction to critical infrastructure requires an elevated response. Such needs may require over-time police officers to address critical situations. Mutual aid from surrounding communities can be requested if Flint public safety is overextended.

Implementation:

Community Partners

Financial limitations of the city persist while it confronts this emergency. Many community partners have offered their assistance to perform various needed functions. The city is heavily reliant on the assistance that government agencies and nonprofit organizations have provided.

The Mott Foundation

The Mott Foundation has provided financial assistance, especially in their generous contribution of $4 million. In addition, the Mott Foundation has recently pledged an additional

United Way

The Genesee County United Way has provided significant financial assistance in the way of purchasing and helping to distribute water filters since the public health emergency began on October 1st, 2015.

Genesee County Community Action Resources Department (GCCARD)

GCCARD is organized to fight poverty and has been a primary partner in the distribution of water filters. It has also regularly supported the city with the logistics and availability of water filters at City Hall.

Genesee County Health Department

Has provided educational information to Flint Water customers

Genesee County Board of Commissioners

The Board of Commissioners have pledged their support to help Flint seek solutions to this crisis. The Board has already assisted in making health and nutrition information available to the public.

Assistance from Wayne State University

Wayne State University's Center for Urban Studies will be providing technical GIS support to assist in the documentation of emergency relief efforts.

The US Environmental Protection Agency

Region 5 EPA has offered assistance with Public Information distribution during the emergency.

Outside Help is still needed…

The City of Flint is forever thankful to our community partners who have given so much to help so many people. However the magnitude of this emergency calls for more resources that are beyond the capacity of the combined local organizations and government agencies. Long term solutions will require a heavy investment in health care and capital improvement projects to upgrade the city's antiquated water distribution system.

- Help with Immediate Relief in terms of assuring allocative efficiency. Distribution should be equitable- assistance from other governments required to assure this.
- Reaching communities for the distribution of water filters, water, and educational materials.
- Help with Water Testing to increase participation and lead education.
- Increasing the rate of water testing
- Assistance is required to fund essential capital improvement projects to guarantee clean and safe water.

From: Scott, Allison (GOV)
Sent: Tuesday, January 05, 2016 3:31 PM
To: Arwood, Cheri (GOV)
Subject: emergency order
Attachments: 2016-01-05 Flint Water Governor's Declaration Final Draft - No watermark.docx

PROCLAMATION

DECLARATION OF EMERGENCY

WHEREAS, Section 1 of Article V of the Michigan Constitution of 1963 vests the executive power of the state of Michigan in the Governor; and

WHEREAS, under the Emergency Management Act, Act No. 390 of the Public Acts of 1976, as amended, MCL 30.401 to 30.421, the Governor is responsible for coping with dangers to this state or the people of this state presented by a disaster or emergency or threat thereof, and may issue executive orders and proclamations, having the force and effect of law to implement the Act; and

WHEREAS, under Section 3 of the Emergency Management Act, 1976 Public Act 390, MCL 30.403, the Governor shall, by executive order or proclamation, declare a state of emergency if the Governor finds that an emergency has occurred or that the threat of an emergency exists; and

WHEREAS, on April 25, 2014 the City of Flint, Michigan switched from the Detroit water system to the Flint River as a water source, the harmful effects of untreated water struck the city's water infrastructure, causing leaching of lead into the water which caused damage to the water system and potential negative health impacts to the citizens; and

WHEREAS, the area affected includes parts of the City of Flint, within the County of Genesee; and

WHEREAS, the damaged water infrastructure and leaching of lead into the city's water caused damage to public and private water infrastructure, and has either caused or threatened to cause elevated blood lead levels, especially in the population of children and pregnant women, and causing a potential immediate threat to public health and safety and disrupting vital community services; and

WHEREAS, from October 1, 2015 to this date, the County of Genesee and the City of Flint have taken a number of actions to cope with the situation, including but not limited to, switching back to the Detroit water system on October 16th, declaring local states of emergency, activating the emergency response and recovery aspects of their emergency operations plan, marshaling and distributing required resources on a city-wide level, and issuing emergency public information and bulletins; and

WHEREAS, local resources have been insufficient to address the situation, and additional assistance from voluntary organizations and the state is required to protect public health, safety, and property, and to lessen or avert the threat of more severe and long lasting impacts to the community;

NOW, THEREFORE, I, RICHARD D. SNYDER, Governor of the state of Michigan, pursuant to the Constitution of the state of Michigan and provisions of Act No. 390 of the Public Acts of 1976, as amended, do hereby proclaim that a state of emergency exists in the aforementioned county and municipality; and

FURTHER, the Emergency Management and Homeland Security Division of the Department of State Police shall coordinate and maximize all state efforts, and may call upon all state departments to utilize resources at their avail to assist in the emergency area pursuant to the Michigan Emergency Management Plan; and

FURTHER, termination of this emergency will occur at such time as the threats to public health, safety, and property caused by the emergency no longer exist and appropriate programs have been implemented to recover from the effects of this emergency, but in no case longer than February 1, 2016, unless extended as provided by Act No. 390.

Given under my hand and the
Great Seal of the State of Michigan this
5th day of January in the Year of Our
Lord, Two Thousand and Sixteen.

_____

RICHARD D. SNYDER
GOVERNOR

BY THE GOVERNOR:

_____

SECRETARY OF STATE

From: Smith, Jennifer (GOV)
Sent: Thursday, September 05, 2013 4:06 PM
To: Wurfel, Sara (GOV)
Subject: PHONE MESSAGE- Beth Clement

Hey Sara:

Beth called for you re: Flint. Said she needs to talk to today because they're already having issues.

Her cell if it's after hours [redacted]

Thank you,
Jen

From: Adler, Ari (GOV)
Sent: Friday, January 23, 2015 4:39 PM
To: Agen, Jarrod (GOV); Wurfel, Sara (GOV); Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Walsh, John (GOV)
Subject: "Anonymous" threatening to do operation in Flint

We need to make sure things are buttoned up in Flint as it relates to the water treatment operations, apparently.

Via Twitter just now:

AnonCorpWatch 4:28pm via Twitter Web Client
#anonymous is not dead!

#OpFlint

@onetoughnerd #ExpectUs

About

Corporations have been getting way with far too much for far too long. It is time that we, the citizens of the world, educate ourselves and take action against these Corporations. We all understand that for past few generations, we have allowed laws to be written, tax incentives to be created and have allowed loop holes to be made in environmental policy. We have allowed lobbiests in Washington , and other governments around the world, to make this capitalist institution called the "Corporation" get away with practices that are unacceptable. We have not understood the consequences until it is too late. We have felt too overwhelmed by the do's and don'ts that we have felt we had to respect, that we have allowed these powerhouses to benefit from massive profits, while we the majority are struggling.

It is time that we the people take matters into our own hands. It is time to take responsibility for our ignorance. We must forgive ourselves for allowing this economic "Grand Canyon" between the mega wealthy and the other 90% of us. We hear our leaders ask us to make further sacrifices by accepting higher interest rates in order to pay for the mess they got us into. They have repeatedly tried to take away our voice. It is time forgive us our sins and move forward. We will no longer allow these Corporations and Government puppets to silence us.

Like others before us, we are taking matters into our own hands. We are going to start keeping tabs on these Corporations. We are going to collect information and share it. We are going to spread the truth as far as we can. Most importantly we are going to take action!

Be a voice in a voiceless world. Share your knowledge of what you know with us so that we can unite and learn from each other, and become a source of power and change.

Hey Corporations! We are watching you!

We are Anonymous

We are Legion

We never Forgive

We never Forget

Expect Us!

From: Murray, David (GOV)
Sent: Friday, January 30, 2015 6:05 PM
To: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Stanton, Terry A. (Treasury); Saxton, Thomas (Treasury); Walsh, John (GOV); Brownfield, Michael (GOV); Allard, Claire (GOV); Wurfel, Brad (DEQ); Posthumus, Dick (GOV); Hollins, Harvey (GOV); Clayton, Stacie (GOV); Agen, Jarrod (GOV); Wurfel, Sara (GOV); Biehl, Laura (GOV)
Cc: Wisniewski, Wendy (GOV); Rospond, Laurie (GOV)
Subject: Backgrounder on Tuesday Flint water event
Attachments: Briefing Flint grant announcement.docx

Team,

Here is background on the planned Tuesday event in Flint regarding the $2 million Distressed Cities grant and other issues connected to the water issue.

There are plans for two press releases on Tuesday. The first will detail the two Flint grants and will be released by the governor's communications office. The other release, which would detail the other grants, would follow from Treasury with a quote from the governor.

Mayor Walling has agreed to speak at the event, with Harvey Hollins and Dan Wyant representing the governor's office. Sen. Ananich has asked to speak, and it has been suggested that Rep. Neeley would speak and it might be better to add him to the program. Others, such as Deputy Director Workman and Emergency Manager Ambrose, would be present and available.

The attached document includes details about the planned event, as well as background on the grants from Treasury and on the entire water issue from DEQ as well as Mayor Walling's Facebook post about the governor and links to the stories in the media about the issue.

We have a room reserved and are working with the communications team in Flint to have microphones and other items needed for the event.

Please let me know if there is any information you think should also be included, or anything that should be changed. Once everyone has had the opportunity to review, we can forward to the governor.

Thank you, everyone, for your assistance. I know there are lots of moving pieces and many people involved.

Dave

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397 office
[redacted] mobile
Twitter:@michigandmurray

Briefing: Grant announcement in Flint

Tuesday, Feb. 3, 2015, 3-4 p.m.
Haskell Community Center, 2201 Forest Hills Ave. Flint
Governor's communications: Dave Murray, murrayd1@michgian.gov, [redacted]
DEQ communications: Brad Wurfel, wurfelb@michigan.gov [redacted]
Treasury communications: Terry Stanton, stantont@michigan.gov, [redacted]

Purpose

The state government is providing support for the Flint government as it addresses issues with its water system. The state on Tuesday is announcing that Flint is receiving two grants totaling $2 million related to water system improvements through the Financially Distressed Cities, Villages and Townships grant program. DEQ Director Dan Wyant will address ongoing efforts with his agency to test Flint water and explain why the city is facing some of its problems. Senate Minority Leader Jim Ananich, D-Flint, will discuss his appreciation for the ongoing support for the city and its residents.

Attending

- Harvey Hollins, director of the Michigan Office of Urban Initiatives
- Dan Wyant, director of the Michigan Department of Environmental Quality
- Wayne Workman, deputy treasurer, Michigan Department of Treasury
- Jerry Ambrose, Flint emergency manager
- Dayne Walling, Flint mayor
- State Sen. Jim Ananich
- State Rep. Sheldon Neeley
- State Rep. Phil Phelps

Agenda

3:00 PM – 3:05 PM:	Harvey Hollins announces that Flint has received two grants totaling $2 million.
3:05 PM – 3:10 PM:	Dan Wyant discusses the state's ongoing role in monitoring Flint's water and any assistance that has been provided and will continue to be provided.
3:10 PM – 3:15 PM:	Mayor Dayne Walling remarks about appreciation for state assistance.
3:15 PM – 3:20 PM:	Sen. Jim Ananich remarks about appreciation for state assistance.
3:20 PM – 3:25 PM:	
3:25 PM – 3:35 PM:	Harvey Hollins closing remarks, opens floor to media questions.
3:35 PM	Event ends, though this might be optimistic.

Background

- The quality of Flint water has been a high-profile concern in recent weeks, with residents complaining about the color, taste and smell of tap water since a switch to Flint River water as a temporary source as a pipeline is built to Lake Huron as a water source starting in 2016.
    - Residents have attended meetings with jugs of brownish water.
    - U.S. Kildee has worked with labor and community groups to distribute bottled water.
- Mayor Walling has issued a letter (included below) calling for state and federal assistance for the city, including forgiveness of some $20 million in debt through the Drinking Water Revolving Loan Fund and calling for the governor to come to Flint personally.
    - Walling also submitted a guest column to the Flint Journal with similar requests.

        - He said the loan forgiveness is needed for the city to upgrade its water treatment process.
    - Governor and Mayor Walling had a telephone conversation on Friday, and the mayor has pledged to work together on solutions.

- Rep. Sheldon Neeley also has sent the governor a letter, saying that his constituents "are on the verge of civil unrest."

- The Department of Environmental Quality has been monitoring the water situation, with a detailed backgrounder and talking points attached below.

- The Treasury Department is announcing Tuesday that Flint is among the cities receiving a combined $8 million the Financially Distressed Cities, Villages and Townships grant program.
    - The announcement of the other grants will follow the Flint announcement.
        - The Flint grants are $1.1 million to allow the city to replace the functions of the old incinerator with new water pollution control facility allowing for the disposal of waste to landfills.
        - The other is $900,000 to allow the city to hire a contractor to perform a leak detection survey, which will lead to prioritizing repairs.
    - A breakdown of the grants is included below.

Treasury breakdown of Flint grants

Flint Incinerator: The grant project entails shutting down the current Water Pollution Control Facility Incinerator (due to the incinerator not being up to new EPA standards). In order to meet EPA standards, it would cost roughly $8.8M in upgrades to the current incinerator. The grant funding will allow them to replace the functions of the old incinerator by constructing new facilities which will allow for the disposal of waste to landfills.

Budget Breakdown	
Construction Contractor	$1,050,000
Project Management	$50,000
Total	$1,100,000

Flint Leak Detection: The grant project will allow the city to hire a contractor to perform a leak detection survey of the city water lines. The city will receive a map of leak locations and an assessment of leak severity. This data will allow the city to prioritize leak repair. The project also covers the expense of conducting a water pipe line wall thickness condition assessment on a portion of the city's pipes. The assessment will guide the city's water main replacement program.

Budget Breakdown	
Project Planning	$90,000
Mobilization of Crew to Site	$27,000
Leak Detection < 16" diameter	$378,000
Leak Detection 16" diameter or >	$270,000
Pipe Condition Assessments	$135,000
Total	$900,000

DEQ backgrounder on Flint water

Following the formal approval of Flint into the KWA in 2012, DWSD sent Flint a letter saying their contract was thereby terminated (by early 2013).

Genesee County has been using DWSD water without a contract since May 2014. But Flint took the letter to imply a water cutoff, and promptly turned to DEQ with a proposal to use the Flint River (their historic backup system).

This proposed shift was pitched primarily as a money saver. But it put the city in the business of water production, where they historically had been in the business of water transmission. DEQ approved the use of the river as a source, based on the treatment plant's past performance as a standby facility and the improvements we outlined prior to a switchover.

Several municipalities around the state use surface water supplies (rivers): Blissfield near Monroe, Manistique, and Alma to name a few.

The city completed the upgrades at the water plant the facility and DEQ approved it April 2014.

There were some initial hiccups. Last summer, there were a couple of 'boil water' notices issued. One for a water test that showed e. coli, one for a break in the water main.

The challenge to using the Flint River as a source is that the condition of the water is variable and changes with season and weather. It has substantially more organic matter than deep lake sources like Lake Huron. This organic matter is mobilized by high water events, and warm weather also can account for more organic material in the water.

The treatment of the organic matter is done with chlorine. One might conclude that the continual answer is just to use more chlorine to achieve water safety. However, at some point on the continuum, the chlorine and organic matter create TTHM – total trihalomethanes – as a byproduct. When the standard for those is exceeded over several consecutive quarters of testing, the supply is required by law to issue public notice and submit an approved plan for addressing the situation.

You'll note that this regulatory approach means TTHM testing is done quarterly. That means people who use the system are exposed to TTHM for several months before the public notice is required. It's because TTHM is a chronic health threat. Over the long term (measured in decades), continued exposure can contribute to some known health problems. If this were an immediate health threat, customers would receive immediate notification to boil their water or not use it.

Put in context, the EPA (which established the standard and the rule) estimates the existence of the TTHM standard prevents an estimated 280 bladder cancer cases each year … out of more than 330 million people who use public water supplies around the country.

It's not "nothing." State and federal law requires quarterly testing for TTHM and that the public be informed of it when the annual average of four quarters' worth of consecutive testing shows TTHM levels exceeding 80 parts per billion. Flint's results managed to exceed the annual average in three quarters, and they must develop a plan to address it.

But it's not like an eminent threat to public health. Unlike an e. Coli or even total coliform bacteria maximum contaminant level, which require immediate public notification and response and are part of daily / hourly testing of public water supplies, TTHMs pose a public health concern with chronic, long-term exposure.

It's clear the nature of the threat was communicated poorly. It's also clear that folks in Flint are concerned about other aspects of their water – taste, smell and color being among the top complaints.

The Safe Drinking Water Act requires public water supplies be tested for more than 90 regulated contaminants, including microbial contaminants. The act, and the program here in Michigan, work to ensure that water is safe to drink. The act does not regulate aesthetic values of water. Here are some factors affecting the aesthetics of water in Flint.

1. It's the Flint River. The water supplied by DWSD historically came from Lake Huron. It's softer. With hard water, you get a different flavor and feel. It's why General Motors suspended use of Flint Water – it was rusting their parts. Also, there's the 'organics' factor (discussed previously).
2. The system is old. Flint has more than 500 miles of water pipes. More than half of those pipe miles are more than 75 years old. Much of it is cast iron. Hard water can react with cast iron and exacerbates the rusty factor, which creates that brown water that angry residents were holding up in jugs for the media cameras last week. Valve failure has also been a key challenge. The system has an estimated 7,500+ valves. When they stick open or stick shut, it affects the hydraulics of the system and increase areas of stagnation. The city has a backlog of valves that need to be addressed. They've done half a dozen or so since November.
3. Flint is old. Many of the homes served by the system are old. Brown water complaints may also be attributable to cast iron pipes in customers' service connection to the city lines. The DEQ has been encouraging people with water coloration concerns to contact the city and see whether it is the service line or the City's line causing the issue. Again, discoloration is not an indicator of water quality or water safety, but we recognize that nobody likes it.

In summary, the City of Flint has tremendous need to address its water delivery system. We are not aware that they have any capital improvement funds for preventative maintenance in place, much less line replacement project monies that will require hundreds of millions.

The City was approved for a Revolving Fund loan in 2008 or 2009. As a Distressed Community, they qualified for flexible terms and 2 percent interest rate Revolving Fund Loan. After they were notified they were approved for the loan, they declined it. Previous SRF loans from the state to Flint bear an outstanding balance of $20.7 million today.

The DEQ continues working with the city to address the TTHM issue. They can take interim steps – from scrubbing the insides of transmission lines to carefully monitoring the hydraulic challenges in their system – to address customers' aesthetic concerns. Their TTHM numbers already are showing dramatic improvement; the November testing showed only one of seven sample points exceeding the standard.

The key now is that the standard is an average of three quarters' worth of results. It will be some time before they are officially "not in violation." However, depending on weather in 2015, it's not unforeseeable that we will be having this conversation again by next Christmas.

The key to the conversation is that TTHM is not a top health concern. That's key because residents need to understand TTHM in context, and it is key because it appears the mayor has seized on the public panic (sparked, frankly, by their poor communication of the violation notice) to ask the state for loan forgiveness and more money for their infrastructure improvement.

Another key thing to remember is that once the city connects to the new KWA system in 2016, this issue will fade in the rearview.

Key messages:

1. The DEQ Drinking Water program works with communities around the state to ensure that municipalities provide customers with clean, safe drinking water.
2. Municipal water supplies are tested rigorously and regularly for more than 90 regulated contaminants, including microbial contaminants that pose an immediate public health concern.

3. Flint's exceedance of the TTHM standard should reassure residents that the testing program is effective.
4. TTHM is not an immediate health threat. It is a chronic concern, one that can be problematic over the course of several decades of exposure. The public was notified because the law requires the city to make public notification, so that everyone can make informed decisions. This is particularly true for people with infants or those with compromised immune systems.
5. The DEQ is working with the City to address the situation. Recent tests show the TTHM numbers dropping rapidly. The department will continue working with the city in the months ahead, and residents should feel confident that their water is safe to drink unless the DEQ or City notifies them otherwise.
6. The discoloration and odor issues some Flint residents are experiencing are separate issues from the TTHM issue. TTHM is odorless, colorless and measured in parts per billion.
7. Flint water customers who have questions or concerns about their water should first contact the city to get answers and help. They also can contact the Michigan DEQ.

Mayor Walling's Facebook post

Friend,

Access to clean, safe, affordable water is a basic human right.

That's why I just sent Gov. Snyder my Flint Water Improvement Plan. It focuses on the areas of safety, quality, access, investment and education. My letter urges the governor to quickly implement these ideas so that Flint's water is 100% safe.

Please contact Gov. Snyder by calling (517) 335-6397 (or by clicking here) and ask him to take action immediately to implement my plan and ensure Flint's water is safe.

My plan offers new ideas and also builds on successful models of utility, energy and assistance programs at the state and federal levels. Here is my plan:

Safety & Quality

- 100% Safety is the standard
- City of Flint releases testing data to assure safety and expands testing to households with support from the Michigan Department of Environmental Quality
- Support alternatives for those advised not to drink the water by their doctors through the Michigan Health Endowment Fund and community partners to protect the vulnerable like seniors and infants
- Bring on experienced river water treatment operational management in the City of Flint
- Require water testing data to be released quarterly by law in all Michigan communities

Access

- Announce an amnesty program for turn-ons and reduce the turn-on cost in Flint
- Develop a revised payment plan policy to allow customers to come back on to the Flint system
- New Federal and State partnership to establish new Drinking Water Emergency Assistance Fund for customers (modeled on Federal and State energy utility programs: Low Income Home Energy Assistance Program; Michigan Energy Assistance Program; State Emergency Relief)

Investment

- Accelerate water system improvements outlined in the City of Flint Capital Improvement Plan through Federal and State Investments
- State approves City of Flint's Distressed Cities Fund applications
- Federal and State forgiveness of payment to Drinking Water Revolving Loan Fund

- Federal and State financing for future improvements
- City Water Department implements budgeted FY15 projects including leak detection, valve repairs, new pipes and meter replacements

Education

- Develop a community partnership to provide household and business customers with information on testing and conservation
- Ongoing partnership with Michigan Department of Human Services, United Way, Salvation Army and community organizations to provide information on water assistance
- Expand youth energy initiative to assist households with conservation and efficiency (piloted in summer 2014 with Northwestern High School students, EcoWorks and Consumers Energy)

The struggle with our water has gone on for too long. The state must take action and do its part. Please ask Gov. Snyder to take action immediately to implement my plan and ensure Flint's water is safe. Thank you for your ongoing support.

Links to coverage

- Mayor, governor have 'long, productive' talk about Flint's water problems, Jan. 30
- 2,000 more gallons of water headed to Flint for giveaway, Jan. 30, 2015
- Flint emergency manager says there are two big reasons not to reconnect Detroit water, Jan. 29
- Flint Democracy Defense League plans four meetings on city's water problems, Jan. 29
- Environmentalist sends out new warnings about Flint water, NBC, Jan. 27
- Erin Brockovich says on Facebook she's prepared to come to Flint, MLive, Jan. 27
- Mott Community College not waiting for Flint to ensure safe water, MLive, Jan. 26
- Detroit water chief says she's willing to sell emergency water to Flint -- no strings attached, Jan. 26
- Mayor says governor needs to visit Flint to see water crisis first hand, MLive, Jan. 26
- Need water? Flint groups collect 600 cases, plan distribution this week, MLive, Jan. 26
- Incoming Flint water expert would have 'continual oversight' until new pipeline connected, Jan. 25
- Looking back at Flint's water problems (photo gallery), MLive, Jan. 25
- Flint water problems: Switch aimed to save $5 million -- but at what cost?, MLive, Jan. 23
- State says its already 'working diligently' on Flint's water problems, MLive, Jan. 22
- Officials say Flint water is getting better, but many residents unsatisfied, MLive, Jan. 21

Subject:	Internal Flint Water Meeting
Location:	Executive Conference Room, 2nd Romney
Start:	Wed 1/28/2015 10:00 AM
End:	Wed 1/28/2015 11:00 AM
Recurrence:	(none)
Meeting Status:	Accepted
Organizer:	Posthumus, Dick (GOV)
Required Attendees:	Clement, Elizabeth (GOV); Muchmore, Dennis (GOV); Walsh, John (GOV); Wisniewski, Wendy (GOV); Hall, Jean (GOV); Pleyte, Beth (Treasury); Saxton, Thomas (Treasury); Clayton, Stacie (GOV); Hollins, Harvey (GOV); Murray, David (GOV)

Attending:
Dick Posthumus
Dennis Muchmore
John Walsh
Beth Clement
Tom Saxton
Harvey Hollins
Dave Murray

From: Wurfel, Brad (DEQ)
Sent: Friday, March 13, 2015 6:49 PM
To: Hollins, Harvey (GOV)
Cc: Wyant, Dan (DEQ)
Subject: Part II
Attachments: FOIA Request Flint Water.doc

Importance: High

This is the second issue I mentioned earlier today.
In December, our staff became peripherally aware that the hospitals in Genesee were seeing an uptick in Legionnaires cases.

Legionnaires is a water-borne illness. It essentially is a type of pneumonia caused by a bacteria. It is treated with antibiotics. Untreated, it can be deadly. It most often manifests in nursing homes and assisted living facilities, because the transmission is through water vapor getting into lungs – via air conditioners, vaporizers or low-flow shower heads that produce a lot of misting. You can drink water with this bacteria in it and not get sick – it has to enter the lungs in vapor.

I don't have any details on the cases, but here is what I understand to this point:

- More than 40 cases reported since last April. That's a significant uptick – more than all the cases in the last five years or more combined.

- April / May is usually the start of Legionnaires season – it proliferates in warmer months – but April also is the point at which the city switched to the Flint River as a source.

- County Health Departments are supposed to perform epidemiological tracebacks on all confirmed cases of this disease, to locate the source and address it. Genesee County Health had not done this work as of November. At a January meeting with area hospitals, MDCH, DEQ and others, Nick Lyon reportedly directed the county health folks, in terms not uncertain, to get this done as a priority. As I'm sitting here today, it still is not done to my knowledge.

- My counterparts at MDCH informed me today that they cannot step in unless they are invited or unless the outbreak is multi-county. They've not been invited until, I believe, today. That may be in part because of the email string and letter I've enclosed here, which was unknown to MDCH until I shared it over to them.

The email thread below is best read bottom-to-top, and read prior to reading the enclosed FOIA to the city.

Essentially, Jim Henry with Genesee County Health is putting up the flare. He's made the leap formally in his email that the uptick in cases is directly attributable to the river as a drinking water source – this is beyond irresponsible, given that is his department that has failed to do the necessary traceback work to provide any conclusive evidence of where the outbreak is sourced, and it also flies in the face of the very thing a drinking water system is designed to do.

DEQ did not receive this FOIA, which appears designed to buttress his position in the email -- that sections of the water delivery system may be harboring this bacteria. We think it would be highly unlikely that anything would be found around the plant, where the water is treated. Most often, this bacteria forms at the building / residential point in the system. Legionnaires is NOT among the 90 water contaminants screened in the Safe Drinking Water Act, but in the absence of action by county health, our staff are now considering taking samples from various points in the system and working with DCH's lab to test for it, if for no other reason than to rule it out.

Regardless, the accusation is serious and the nature of the communication leaves me thinking we would be advantaged to bring together all the agencies asap to share what information we have and develop a response / screening strategy before the weather gets warm again.

I realize these are long emails. Thanks for your patience.
b

Brad Wurfel
Communications Director
Michigan Department of Environmental Quality
517-284-6713
[redacted]ell

From: Shekter Smith, Liane (DEQ)
Sent: Thursday, March 12, 2015 8:41 AM
To: Wurfel, Brad (DEQ); Sygo, Jim (DEQ); Howes, Sarah (DEQ)
Cc: Shaler, Karen (DEQ); Benzie, Richard (DEQ); Devereaux, Tracy Jo (DEQ); Busch, Stephen (DEQ)
Subject: FW: Information Request and Documentation
Importance: High

The district received this late Tuesday.

Steve Busch has indicated that the district has not received a meeting request from Jim Henry or the Genesee County Health Department as indicated in his email below.

The FOIA is specifically directed to the City of Flint not the DEQ.

While the change in source may have created water quality conditions that could provide additional organic nutrient source to support legionella growth, there is no evidence or confirmation of legionella coming directly from the Water Treatment Plant or in the community water supply distribution system at this time.

Seems like the next step is to communicate with DCH and possibly develop a joint strategy/response. Not sure who in Exec wants to take the lead on this. Steve Busch and Mike Prysby will continue to be lead for us on this. They have been in contact with DCH recently but only to learn that little progress has been made in identifying a source or sources for the illnesses.

EMAIL FROM DEQ TO HENRY SENT THIS AFTERNOON:

Mr. Henry,

The January 27, 2015, FOIA request you provided was directed to the City of Flint, not the DEQ. The DEQ has no record of a FOIA request from your office for such information. It is our understanding that the City has responded to your FOIA request, has helped you adequately redefine your request within the City's scope of public record to address such ambiguities as "any additional areas of concern", and provided you with additional information beyond the scope of your request.

The DEQ fully recognizes the public health threat posed to individuals that contract Legionnaires' Disease with the understanding that the disease is not contracted by ingestion of potable water and therefore not regulated under the federal Safe Drinking Water Act. Your email below claims that you have explicitly explained the situation to our Department. However, since contacting our office early last October to indicate a rise in cases, we have not received any further information regarding your epidemiological investigation into this matter.

Further, conclusions that legionella is coming from the public water system without the presentation of any substantiating evidence from your epidemiologic investigation appears premature and prejudice toward that end.

It is highly unlikely that legionella would be present in treated water coming from the City of Flint water treatment plant given the treatment plant's use of ozone along with complete treatment and chlorine disinfect contact time to comply with federal surface water treatment rules for potable water. Detections of total coliform or heterotrophic bacteria in the City's public water distribution system indicate an environment where bacterial growth may be supported. However, there is no direct correlation that can be made to the presence of legionella. While total organic carbon levels in potable water may serve as a food source for bacteria growth in private plumbing system, water temperatures in the City's distribution system are below legionella growth range, and chlorine residual levels would also limit such growth.

Our office agrees that water main breaks, water leaks, and system repairs are possible vectors for legionella to enter the public water system. These should be investigated as part of your epidemiology. DEQ staff can be made available to assist GCHD and the City regarding such matters, but to date no request by GCHD for any such meeting has been received, let alone declined as alleged in your email.

If GCHD is seeking assistance to complete its epidemiological investigation regarding this matter, such resource requests should be directed to the Michigan Department of Community Health. Our Office agrees that a multi-agency partnership would be beneficial to move forward and develop a unified response. In that respect, if our Office can be of any further assistance you may contact me directly.

Stephen Busch, P.E.
Lansing and Jackson District Supervisor
Office of Drinking Water and Municipal Assistance
MDEQ
517-643-2314

From: "Henry, James" <jhenry@gchd.us>
Date: March 10, 2015 at 6:40:17 PM EDT
To: Howard Croft <hcroft@cityofflint.com>, "Mike Prysby (DEQ)" <prysbym@michigan.gov>, Elizabeth Murphy <emurphy@cityofflint.com>, "Natasha Henderson" <nhenderson@cityofflint.com>, Jerry Ambrose <[redacted]>, Dayne Walling <dwalling@cityofflint.com>
Cc: "Valacak, Mark" <MVALACAK@gchd.us>, "Cupal, Suzanne" <scupal@gchd.us>, "Hasan, Shurooq" <shasan@gchd.us>, "Childs, Bonnie" <BCHILDS@gchd.us>, "Hallwood, Dawn" <dhallwood@gchd.us>, "Johnson, M.D., Gary" <GJOHNSON@gchd.us>
Subject: Information Request and Documentation

Hello everyone,

The Genesee County Health Department has made several written and verbal requests for specific information since October, 2014, including a Freedom of Information Act Request on January 27, 2015. The information still has not been received and the city's lack of cooperation continues to prevent my office from performing our responsibilities.

The Genesee County Health Department has the responsibility to conduct illness investigations and consider all potential sources, this is not optional. In 2014, Genesee County experienced a significant increase of confirmed Legionella illnesses relative to previous years. Legionella can be a deadly, waterborne disease that typically affects the respiratory system.

The increase of the illnesses closely corresponds with the timeframe of the switch to Flint River water. The majority of the cases reside or have an association with the city. Also, McLaren Hospital identified and mitigated Legionella in their water system. This is rather glaring information and it needs to be looked into now, prior to the warmer summer months when Legionella is at its peak and we are potentially faced with a crisis.

This situation has been explicitly explained to MDEQ and many of the city's officials. I want to make sure, in writing that there are no misunderstandings regarding this significant and urgent public health issue. The Trihalomethane issues "pale in comparison" to the potential public health risks of Legionella.

I am submitting the attached FOIA request again and requesting that the legal obligations of the request are met. If the information is not available, please let me know. In the past, I have requested to meet with the water plant staff and MDEQ regarding Legionella concerns. I did not receive a response from the water plant staff and MDEQ declined. I think it is in the best interest for all stakeholders that we meet and discuss the issues.

Respectfully,

Jim

Jim Henry
Jim Henry RS, MBA
Environmental Health Supervisor
Genesee County Health Department www.gchd.us
630 S. Saginaw St., Suite 4
Flint, MI 48502-1540
Phone (810) 257-3618 Fax (810) 257-3125
E-mail jhenry@gchd.us

Genesee County Health Department

Mark Valacak, M.P.H., Health Officer
Gary K. Johnson, M.D., M.P.H., Medical Director

January 27, 2015

FOIA Coordinator, City of Flint
1101 S. Saginaw Street, 3rd floor
Flint, MI 48502

RE: Flint Water Plant Information Request

Dear FOIA Coordinator,

Under provisions of the Michigan Freedom of Information Act (MCLA 15.231 et seq; MSA 4.1801 (1) et seq) please provide copies of the following:

Provide specific water testing locations and laboratory results within the City of Flint public water system for Coliform, E-coli, Heterotrophic Bacteria and Trihalomethanes from January 1, 2010 to January 27, 2015. Provide any additional water testing that has been conducted for identifying potential public health risks. Include any available mapping of the water testing areas.

Provide a map delineating the boundaries of the City of Flint water distribution system. Include any changes to the boundaries, along with corresponding dates from January 1, 2014 to January 27, 2015.

Provide a map or list of locations, detailing dead ends, pooling, low pressure and any additional areas of concern within the City of Flint water distribution system. Include any modifications to the water distribution system addressing concerns, along with corresponding dates from January 1, 2014 to January 27, 2015.

If you determine that any of the requested information is exempt from disclosure, please detail what is being withheld and cite the exemption under FOIA. I anticipate the request being filled within five working days of receipt of this letter, as provided under FOIA. Please contact me at (810) 257-3618 if there are fees associated to comply with this request.

Sincerely,

Jim Henry

Jim Henry
Environmental Health Supervisor
Genesee County Health Department
630 S. Saginaw Street
Flint, MI 48502

From: Baird, Richard (GOV)
Sent: Monday, April 27, 2015 6:20 PM
To: Muchmore, Dennis (GOV)
Cc: Workman, Wayne (TREASURY); Saxton, Thomas (Treasury); Clement, Elizabeth (GOV); Wurfel, Sara (GOV); Gelisse, Ashley (TREASURY); Storberg, Ann Marie (TREASURY); Koryzno, Edward (Treasury); Headen, Frederick (Treasury)
Subject: Re: scanned doc

Nope. But I will tell you that your trusty team worked faster than the US postal service and the wrath of God has been forestalled yet again. RPA!

Sent from my iPad

On Apr 27, 2015, at 5:43 PM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:

> Would someone please explain to me how cutting off water to 10,000 people does anything but bring the wrath of God down on all of us?
>
> Sent from my iPhone
>
> On Apr 27, 2015, at 10:29 AM, Workman, Wayne (TREASURY) <WorkmanW@michigan.gov> wrote:
>
> > We received this letter Friday the 24th. Water shut-off threat continues.
> >
> > **From:** Dempkowski, Angela (Treasury)
> > **Sent:** Monday, April 27, 2015 10:26 AM
> > **To:** Workman, Wayne (TREASURY)
> > **Subject:** scanned doc
> >
> >
> > <image001.jpg>
> > Angela Dempkowski | Senior Executive Management Assistant/Treasury
> > State of Michigan | 430 W. Allegan Street, 1st Floor | Lansing, MI 48922
> > (517) 373-4415 | (517) 373-0633 (fax)
> > dempkowskia@michigan.gov
> >
> >
> > Think Green! Don't print this e-mail unless you need to.
> >
> > *CONFIDENTIALITY NOTICE: This e-mail, and any attachments, is for the sole use of the intended recipient(s) and may contain information that is confidential and protected from disclosure under the law. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail, and delete/destroy all copies of the original message and attachments.*
> > *Thank you*
> >
> > <DWSD-HP letter.pdf>

From: Murray, David (GOV)
Sent: Thursday, September 24, 2015 2:22 PM
To: Wurfel, Sara (GOV); Hollins, Harvey (GOV); Muchmore, Dennis (GOV); Clement, Elizabeth (GOV)
Subject: FW: Flint Talking Points
Attachments: Flint Lead TP 092415.docx

From: Minicuci, Angela (DCH)
Sent: Thursday, September 24, 2015 2:21 PM
To: Murray, David (GOV) <MurrayD1@michigan.gov>; Wurfel, Brad (DEQ) <WurfelB@michigan.gov>
Cc: Eisner, Jennifer (DCH) <EisnerJ@michigan.gov>
Subject: Flint Talking Points

Hey Brad and Dave,

MDHHS talking points attached.

Thank you,

Angela Minicuci
Office of External Relations and Communications
Michigan Department of Health and Human Services
Office: (517) 241-2112
Mobile: [redacted]
minicuciа@michigan.gov
www.michigan.gov/mdhhs

E-mail Confidentiality Notice: This message, including any attachments is intended solely for the use of the named recipient(s) and may contain confidential and/or privileged information. Any unauthorized review, use, disclosure, or distribution of any confidential and/or privileged information contained in this e-mail is expressly prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy any and all copies of the original message.

Blood Lead Levels in Flint Talking Points
September 24, 2015

- The results of the Hurley Children's Hospital are under review by the Michigan Department of Health and Human Services.
- The analysis that Hurley conducted is different from the way MDHHS has analyzed data regarding blood lead levels in Flint.
- MDHHS is looking to see if we can replicate the results of the Hurley study to see how they achieved their results.

Differences in Analysis

- MDHHS data provides a much more robust picture of the entire blood lead levels for the Flint area, and specifically, accounts for data over the full course of the past five years.
- Looking at the past five years as a whole provides a much more accurate look at the seasonal trends of lead in the area.
- Seasonal exposure is higher in the summer for a variety of reasons including children playing outside in the soil, and when windows are open and lead paint is more likely to be in the air. This seasonal increase would be unrelated to the water system.
- Our data includes children from the entire city, including all medical facilities, rather than just Hurley, has a larger age group of children, and includes a much larger sample size.
- The MDHHS analysis looks specifically at the first elevated blood lead level for each child, which provides an accurate picture of when first exposure occurred.
- The Hurley data includes a smaller sample size, much more limited time period (January-September of 2013 and 2015 only), and a smaller age group of children.

WIC Children

- In homes with infants on WIC, if the household has documentation from an official source of unsanitary water supply issues, that family may be eligible to receive ready-to-feed formula. Families should contact WIC to see if they are eligible.
- Each household would have to be looked at on an individual basis.
- WIC cannot cover bottled water.

From: Jason Lorenz <jlorenz@cityofflint.com>
Sent: Friday, September 25, 2015 12:02 PM
Subject: PRESS RELEASE: City of Flint Lead Advisory
Attachments: GCHD Lead in Water Fact Sheet.pdf; Lead Advisory Release.pdf

For Immediate Release

City of Flint Issues Lead Advisory

Flint, Michigan – September 25, 2015 – The City of Flint is issuing a Lead Advisory for residents to be aware of lead levels in drinking water after hearing concerns from the medical community. While the City is in full compliance with the Federal Safe Drinking Water Act, this information is being shared as part of a public awareness campaign to ensure that everyone takes note that no level of lead is considered safe.

The Genesee County Health Department has issued a fact sheet regarding lead precautions for residents. The fact sheet can be found on their website at www.gchd.us. Here are a few of the suggestions the Health Department recommends:

- Flush your cold-water pipes by running the water for approximately 5 minutes
- Use only water from the cold-water tap for drinking, cooking, and especially for making baby formula.
- Install a water filter that is NSF-certified for lead removal.

Lead contamination can leach into water from a home's lead water service lines, lead solder, and leaded plumbing materials including fixtures, faucets, and fittings. Older service lines with pipes and fixtures installed before 1986 can sometimes be more susceptible to lead issues due to materials used in the home such as lead based paint and lead pipes.

This message is meant as a precaution to residents and does not mean that all homes in the City will experience the same issue. Residents with concerns about lead service lines and lead in home plumbing fixtures are encouraged to contact the City's Utilities Division to schedule a free water testing by calling the Water Treatment Plant at 810-787-6537 and pressing #1 after prompted or by emailing flintwater@cityofflint.com.

The City of Flint is working proactively along with the County Health Department, the Michigan Department of Environmental Quality, and the U.S. Environmental Protection Agency to improve the water system throughout the City. An accelerated plan to add a corrosion control agent to our water within 30 to 60 days with expedited approval from the Michigan Department of Environmental Quality is already underway. This will reduce corrosion which can cause lead in old pipes to leach into the water.

This plan is in addition to Mayor Walling's letter requesting $30 Million in water infrastructure assistance funding from the State of Michigan. $10 Million of that request would be for the replacement of lead service lines in households to ensure that lead no longer presents a danger to the drinking water of our residents. As the letter states, "It is the City's position that the abatement of lead through the removal of lead containing pipes and fixtures in homes is the best long term solution to keeping our residents' water safe."

Mayor Walling further stated: "I am extremely concerned about the risks around lead with Flint's children and I will be working tirelessly to ensure the water is safe and all of our families have the information they need. I also will continue to pursue funding for infrastructure improvements and a comprehensive healthy homes initiative that addresses lead in paint and pipes. We have to get the lead out of our community to eliminate the threat of childhood lead poisoning."

The City of Flint continues working proactively with the County Health Department, the Michigan Department of Environmental Quality, and the U.S. Environmental Protection Agency to improve the water system throughout the City. The City remains committed to working with all of our partners in the Water Technical Advisory Committee to address all issues of public health and quality concerns that face the community. Updates on progress made in addressing this issue will be made during regular public meetings including City Council and other scheduled meetings. Information on this and all related matters will continue to be posted on the City of Flint's website, cityofflint.com.

–END–

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039 (Office)
[redacted]
jlorenz@cityofflint.com

Genesee County Health Department

Mark Valacak, M.P.H., Health Officer
Gary K. Johnson, M.D., M.P.H., Medical Director

How does lead get into my tap water?

Under typical circumstances, lead will dissolve into the water. The concentration of lead in drinking water can vary greatly, depending on the corrosiveness of the water, the type and age of the plumbing materials and the length of time that the water stands in the pipes. The highest levels of lead occur when very corrosive water stands motionless in lead or lead soldered pipe for long periods of time.

How do I know if my tap water is contaminated with lead?

The only way to know whether your tap water contains lead is to have it tested. You cannot see, taste, or smell lead in drinking water. There are different sampling methods for sampling lead in drinking water. To determine your household risk, it is recommended to take a first draw sample.

Does lead in my tap water cause health effects?

Lead can cause damage to the brain, red blood cells and kidneys. The greatest risk is to young children and pregnant women. Amounts of lead that won't hurt adults can slow down normal mental and physical development of growing bodies. Lead in water can be a special problem for infants, whose diets may be mostly liquids, such as baby formulas or concentrated juices mixed with water. Smaller bodies can absorb lead more rapidly than bigger ones. A child's mental and physical growth can be permanently harmed by too much lead. Risk will vary, depending on the individual, the circumstances, and the amount of water consumed.

What can I do to reduce or eliminate lead in my tap water?

Flush your cold-water pipes by running the water for approximately 5 minutes. The longer the water has been sitting in the pipes, the more lead it may contain. You can fill containers for later use, after the flushing process. Use only water from the cold-water tap for drinking, cooking, and especially for making baby formula. Hot water is likely to contain higher levels because it dissolves more lead.
You may choose to install a water filter that is NSF-certified for lead removal. If a water filter is installed, replace filters at least as often as recommended by the manufacturer.

Buy a lead-free faucet. The legal definition of "lead-free" still allows brass faucets to contain up to 8 percent lead. However, faucets marked with "NSF 61/9" and/or "California Proposition 65" meet stricter limits. Regularly clean particles from faucet aerators.

Is it safe to take a bath or shower, if my water has high lead levels?

Yes. Bathing and showering should be safe for you and your children, even if the water contains lead over EPA's action level. Human skin does not absorb lead in water. This information applies to most situations and to a large majority of the population, but individual circumstances may vary. Some situations, such as cases involving highly corrosive water, may require additional recommendations or more stringent actions.

Who do I contact for more information?

The local water authority is always your first source for testing and identifying lead contamination in your tap water. You can visit the City of Flint Website at www.cityofflint.com or contact the Flint Water Department at 810-787-6537.

WWW.EPA.GOV

WWW.MDEQ.GOV

Dayne Walling
Mayor

Natasha L. Henderson
City Administrator

Jason Lorenz
Public Information Officer
Office: (810) 237-2039
[redacted]
jlorenz@cityofflint.com

For Immediate Release

City of Flint Issues Lead Advisory

Flint, Michigan – September 25, 2015 – The City of Flint is issuing a Lead Advisory for residents to be aware of lead levels in drinking water after hearing concerns from the medical community. While the City is in full compliance with the Federal Safe Drinking Water Act, this information is being shared as part of a public awareness campaign to ensure that everyone takes note that no level of lead is considered safe.

The Genesee County Health Department has issued a fact sheet regarding lead precautions for residents. The fact sheet can be found on their website at www.gchd.us. Here are a few of the suggestions the Health Department recommends:

- Flush your cold-water pipes by running the water for approximately 5 minutes
- Use only water from the cold-water tap for drinking, cooking, and especially for making baby formula.
- Install a water filter that is NSF-certified for lead removal.

Lead contamination can leach into water from a home's lead water service lines, lead solder, and leaded plumbing materials including fixtures, faucets, and fittings. Older service lines with pipes and fixtures installed before 1986 can sometimes be more susceptible to lead issues due to materials used in the home such as lead based paint and lead pipes.

This message is meant as a precaution to residents and does not mean that all homes in the City will experience the same issue. Residents with concerns about lead service lines

and lead in home plumbing fixtures are encouraged to contact the City's Utilities Division to schedule a free water testing by calling the Water Treatment Plant at 810-787-6537 and pressing #1 after prompted or by emailing flintwater@cityofflint.com.

The City of Flint is working proactively along with the County Health Department, the Michigan Department of Environmental Quality, and the U.S. Environmental Protection Agency to improve the water system throughout the City. An accelerated plan to add a corrosion control agent to our water within 30 to 60 days with expedited approval from the Michigan Department of Environmental Quality is already underway. This will reduce corrosion which can cause lead in old pipes to leach into the water.

This plan is in addition to Mayor Walling's letter requesting $30 Million in water infrastructure assistance funding from the State of Michigan. $10 Million of that request would be for the replacement of lead service lines in households to ensure that lead no longer presents a danger to the drinking water of our residents. As the letter states, "It is the City's position that the abatement of lead through the removal of lead containing pipes and fixtures in homes is the best long term solution to keeping our residents' water safe."

Mayor Walling further stated: "I am extremely concerned about the risks around lead with Flint's children and I will be working tirelessly to ensure the water is safe and all of our families have the information they need. I also will continue to pursue funding for infrastructure improvements and a comprehensive healthy homes initiative that addresses lead in paint and pipes. We have to get the lead out of our community to eliminate the threat of childhood lead poisoning."

The City of Flint continues working proactively with the County Health Department, the Michigan Department of Environmental Quality, and the U.S. Environmental Protection Agency to improve the water system throughout the City. The City remains committed to working with all of our partners in the Water Technical Advisory Committee to address all

issues of public health and quality concerns that face the community. Updates on progress made in addressing this issue will be made during regular public meetings including City Council and other scheduled meetings. Information on this and all related matters will continue to be posted on the City of Flint's website, cityofflint.com.

–END–

From: Wurfel, Brad (DEQ)
Sent: Monday, September 28, 2015 10:20 PM
To: Wurfel, Sara (GOV)
Subject: FW: KWA & Water Quality Chronology Timeline
Attachments: KWA & Water Quality Chronology Timeline.09-28-15.docx

Importance: High

From: Saxton, Thomas (Treasury)
Sent: Monday, September 28, 2015 5:57 PM
To: Muchmore, Dennis (GOV)
Cc: Khouri, Nick (TREASURY); Workman, Wayne (TREASURY); Stanton, Terry A. (Treasury); Wurfel, Brad (DEQ)
Subject: FW: KWA & Water Quality Chronology Timeline
Importance: High

Dennis – attached is a first draft of a timeline. We will refine it tomorrow. We rec'd some info from Brad that we might need to incorporate. And Terry & Wayne's staff are still coming up with dates/events. Please let us know if this is what you had in mind.

Terry found these links; including an article when City Council approved the move/switch. There are some noteworthy quotes.

http://blog.mlive.com/newsnow_impact/print.html?entry=/2013/03/flint_city_council_approves_re.html

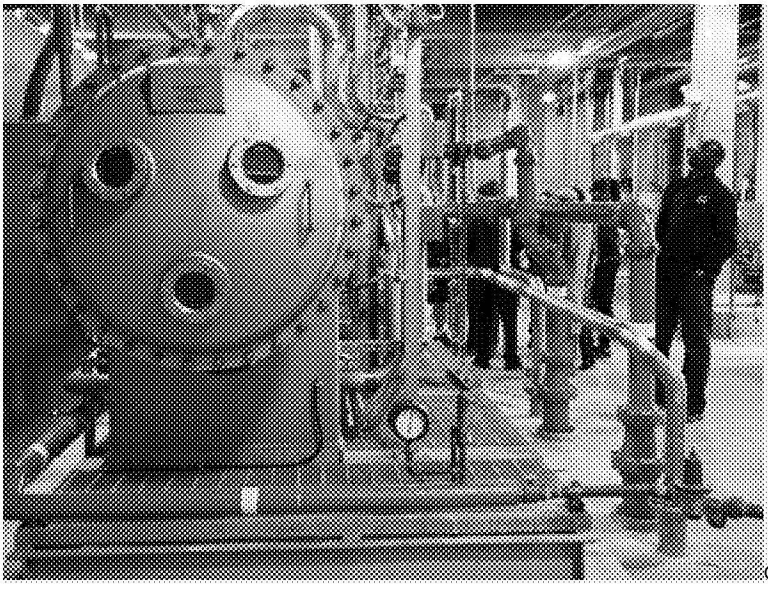
http://www.mlive.com/news/flint/index.ssf/2012/10/construction_permit_approved_s.html

Flint City Council approves resolution to buy water from Karegnondi, state approval still needed

Dominic Adams | dadams5@mlive.com By **Dominic Adams** | dadams5@mlive.com The Flint Journal

Follow on Twitter

on March 25, 2013 at 10:45 PM, updated March 26, 2013 at 1:28 AM



Guests get a look at an ozone generator at the Flint Water Treatment Plant during a public tour in this file photo. MLive.com File Photo

FLINT, MI – Flint is one step closer to getting its water from Lake Huron as part of the Karegnondi Water Authority.

The vote, **approved 7-1 at the Flint City Council meeting Monday, March 25**, may have set in motion the end to Flint paying to get its water from Detroit.

Under the proposal, Flint would get 16 million gallons per day of raw water from Lake Huron, pipe it to Flint for treatment and then sell it to customers throughout the city. Another 2 million gallons per day would come from the Flint River and will be treated in Flint.

Mayor Dayne Walling said the Department of Environmental Quality must approve Flint's getting 2 million gallons per day from the Flint River.

Tuesday's meeting followed weeks of discussions and special meetings surrounding the resolution.

"We got there," Councilman Joshua Freeman said. "That's the important thing."

There were more than 50 people at Monday's meeting.

"Going with Karegnondi is the best decision. We have no opinion on the economics of the decision," said Rebecca Fedewa, Flint River Watershed Coalition executive director. "If we start drawing water out of the Flint River, we are at risk of having to start releasing water from our reservoirs."

Genesee County Drain Commissioner Jeff Wright said the decision must still be approved by a county water and waste advisory board. The KWA board will then be reconvened for final approval.

Wright said construction could start in May.

State treasury officials still must approve the city council's move because Flint has an emergency financial manager. All expenditures over $50,000 must be approved.

Genesee County Drain Commissioner Jeff Wright has said that Flint would pay roughly $6.4 million annually for water service if it joined the pipeline – a nearly $4 million savings on what it pays Detroit for water.

Walling previously said the **city would save $19 million over eight years** by getting water from the KWA.

"It's a historic night in the City of Flint," Walling said. "The savings will be less with the capacity level approved by city council because there will be increased treatment cost for the river water."

He said the DEQ told the city it needed to get 18 million gallons per day or there would have to be additional work done at Flint's water plant.

Flint's water plant and the Flint River is currently the backup for Flint and Genesee County, however, the plant only operates four times per year.

Councilman Bryant Nolden was the lone dissenting vote.

"It was a protest vote," Nolden said. "I knew they had enough votes. I just feel like the Flint River is our best option."

Karengnondi is the regional water authority that includes Genesee, Lapeer and Sanilac counties and the cities of Flint and Lapeer.

****

Massive Karegnondi water project moving forward after state OKs pipeline tap into Lake Huron

Print

By Ron Fonger | rfonger1@mlive.com The Flint Journal
on October 01, 2012 at 7:00 AM, updated October 01, 2012 at 7:32 AM

0
Reddit
Email

Jeff Wright

GENESEE COUNTY, MI -- The state has approved a critical permit that allows the Karegnondi Water Authority to tap into Lake Huron with a 1.5-mile underground intake.

But water authority officials are still waiting for Flint to decide if it will be part of it.

Construction on the intake -- estimated to cost $27 million -- might mark the no-turning-back point for the massive project, and county Drain Commissioner Jeff Wright said other developments make it necessary Flint to make a final decision on its involvement in the next few months.

As control of Flint has shifted from mayors and city councils to emergency managers, the city has never committed to buying a minimum volume of water from the KWA.

"The only question at this point really is whether Flint is going to be a partner," said Wright, who has met with emergency financial manager Ed Kurtz and wants to resolve the question before Kurtz leaves his position -- something likely to happen soon after the November election.
"I'd say we have a couple of months here," Wright said of Flint's deadline. He described Kurtz as positive about the city's potential involvement but said, "There's still some questions Flint is working on with Detroit and Lansing."

Kurtz said he can't predict what will happen.

"We're looking at all our options," Kurtz said Friday.
County Commissioner Ted Henry, D-Clayton Twp., said regardless of the city's participation, the pipeline can be built by the remaining partners: Genesee, Sanilac and Lapeer counties and the city of Lapeer.

"The answer is yes," Henry said. "It will be a little different but it can go,"

The drain commissioner said construction of the pipeline intake, which has already been designed, is expected to start this year, after the job is put out for bids and borrowing is authorized by the county Board of Commissioners.

Building the intake will be specialized work, part of which must be done from a barge, and will require building tunnels below the sand bottom of the lake and laying an 84-inch pipe below the surface of the water.

In addition to the state Department of Environmental Quality permit to build the intake, the KWA also needs approval from the U.S. Army Corp of Engineers, Wright said.

A 45-day public comment period on the intake permit has passed and county officials said they expect the permit to be approved within two weeks.

Among other recent developments in the pipeline project:

- The Genesee County Water and Waste Advisory Committee, made up of elected and appointed city, township and village officials, has voted unanimously to set a date for accepting public bids to build the intake.
- The same committee has approved negotiating a contract with Wade Trim to act as program manager for the pipeline project once all necessary permits have been received.
- The county has revised its estimate on the cost of the intake portion of the pipeline from $40 million to $27 million.

Wright said his office is ready to negotiate a contract for Wade Trim to oversee the pipeline work, and said he expects six or seven engineering and surveying companies to assist in getting the job done.

County officials count those jobs among the 1,000 that they say will be created by building the pipeline.

"I want to use local (people) wherever possible and keep the money here," Wright said.

The drain commissioner said the selection of Wade Trim is important to the city of Flint because it signals the start of engineering, which includes decisions about the size of pumps, motors and pipes that will be used to build the pipeline.

Flint officials have options, including the use of Flint River water, or continuing to purchase water from the city of Detroit.

Wright said the only choice for the rest of the county is build the pipeline or sign a 30-year contract with Detroit.

A KWA study claims that continuing to buy water from Detroit will cost the region $2.1 billion during the next 25 years. By building a pipeline, that cost would be $1.9 billion over the same period, the KWA Web site says.

After the initial 25-year period, the cost of water would be less than 25 percent of the projected cost of water form Detroit, according to KWA.

Ron Fonger can be reached at 810-347-9963. You can also follow him on Twitter @ronfonger or subscribe on Facebook.

STATE OF MICHIGAN
DEPARTMENT OF TREASURY
LANSING

RICK SNYDER
GOVERNOR

NICK A. KHOURI
STATE TREASURER

Flint Water Timeline (09-28-15)

June 26, 2012 – Letter from Flint EM Mike Brown to DWSD for permission to begin blending Flint River water with treated water from DWSD. The letter indicates that the DEQ is supporting this option and its implementation would save the City between $2M and $3M annually.

September 20, 2012 – Letter from Flint EM Ed Kurtz to DWSD requesting written permission to implement the blending option. Approval is requested by October 1, 2012.

October 31, 2012 – Analysis by the Flint Finance Director suggests that the annual cost to purchase water from DWSD will steadily increase to $23M per year by fiscal year 2020.

November 2012 – Treasury retains Tucker, Young, Jackson and Tull (TYJT) to evaluate the KWA proposal to the City of Flint.

November 6, 2012 – Letter from Flint Emergency Manager Ed Kurtz to State Treasurer Dillon that a proposal from DWSD is expected but that the initial assessment is that switching to KWA is in the best interest of the City of Flint.

February 2013 – TYJT issues a final report to Treasury on the comparison between Karegnondi Water Authority (KWA) and DWSD. Analysis suggests that the KWA option is the cheaper option for the City of Flint.

March 2013 – DWSD contacts the City of Flint to begin direct negotiations on a contract extension. Multiple options are provided to the Flint Emergency Manager (EM) Ed Kurtz.

March 26, 2013 – The Flint City Council endorses joining KWA.

April 11, 2013 – State Treasurer Andy Dillon authorizes Flint EM Ed Kurtz, pursuant to Section 12(3) of P.A. 436 of 2012, to enter into a contract with KWA if a final offer from DWSD is either not received for rejected in good faith based upon specific objections.

April 15, 2013 – DWSD provides a best and final offer to the City of Flint. Analyses by Flint EM Ed Kurtz, the Department of Environmental Quality and Treasury's Office of Fiscal Responsibility independently conclude that the KWA option is cheaper for the City of Flint.

April 16, 2013 –Flint EM Ed Kurtz informs the State Treasurer that the City will join KWA. This decision was officially announced May 1, 2013.

April 17, 2013 – DWSD transmits a letter to Flint EM Ed Kurtz terminating service to the City of Flint, effective April 17, 2014.

June 2013 – Groundbreaking for the Karegnondi Water Authority. Flint also requests full time use of the Flint Water Treatment Plant with Flint River water as a source.

June 28, 2013 – Financing Contract between the City of Flint and KWA is approved. Effective September 1, 2013. This document was signed by EM Mike Brown.

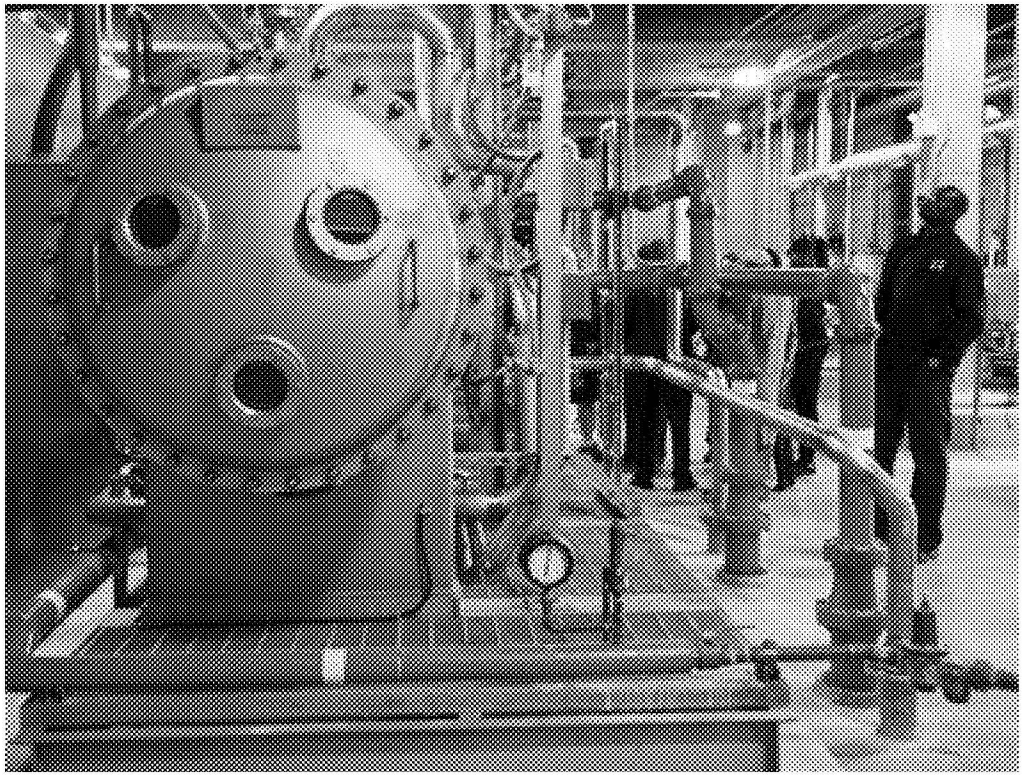
February 19, 2014 – The KWA Board of Directors adopts Resolution 2014-01, authorizing KWA to bond for water line construction on-behalf of the City of Flint.

April 17, 2014 – Water service from DWSD officially ends. The City of Flint also conducts two separate public forums regarding the use of Flint River water, upgrades to the City's water system and the overall cost of the switch to KWA.

April 25, 2014 – City conducts public event marking the transition to the use of Flint River water. DEQ information shows that transition complete by May 2015.

March 3, 2015 – Flint EM Jerry Ambrose provides a memorandum to Deputy State Treasurer Wayne Workman stating that a reconnection to DWSD will cost the City $10.1M/year and that water purchases could be as high as $1M/month.

March 12, 2015 – The City of Flint hires Veolia to conduct an operational evaluation of the City's water system.



From: Wurfel, Brad (DEQ)
Sent: Wednesday, October 28, 2015 5:51 PM
To: Murray, David (GOV); Wurfel, Sara (GOV)
Subject: Fwd: Flint Home Owner's Lead data thru October 28, 2015
Attachments: Flint Home Owners Data Thru October 28,2015.xlsx; ATT00001.htm

See enclosed. We will release this along with the DHHS blood lead data and the schools data. Hopefully Thursday.

Sent from my iPhone

Begin forwarded message:

From: "Krisztian, George (DEQ)" <krisztiang@michigan.gov>
Date: October 28, 2015 at 4:52:42 PM EDT
To: "Sygo, Jim (DEQ)" <SygoJ@michigan.gov>, "Wyant, Dan (DEQ)" <WyantD@michigan.gov>, "Wurfel, Brad (DEQ)" <WurfelB@michigan.gov>, "Tommasulo, Karen (DEQ)" <TommasuloK@michigan.gov>, "Shekter Smith, Liane (DEQ)" <SHEKTERL@michigan.gov>, "Busch, Stephen (DEQ)" <BUSCHS@michigan.gov>
Cc: "Thelen, Mary Beth (DEQ)" <THELENM2@michigan.gov>, "Shaler, Karen (DEQ)" <SHALERK@michigan.gov>
Subject: Flint Home Owner's Lead data thru October 28, 2015

Attached is the latest data for Homeowner's in Flint. The spreadsheet includes samples submitted to the DEQ Lab from September 3rd thru October 26th.

- Of the 306 samples, 238 (77.7%) were at levels of 5ppb and lower for lead
- The 90th percentile value is 10 ppb

George

George L. Krisztian
Flint Action Plan Coordinator
Laboratory Director
Michigan Department of Environmental Quality
Desk ph (517) 284-6719
Cell ph [redacted]

From: Biehl, Laura (GOV)
Sent: Thursday, October 01, 2015 5:23 PM
To: Wurfel, Sara (GOV)
Subject: Friday media briefings

Importance: High

RDS/JA- LIVE Conference Call with media regarding Flint Water Comprehensive Action Plan

DATE: Friday, Oct. 2, 2015

Time: 8:15-8:40 a.m. PST

Location: Via phone from San Fran

RDS to call: [redacted]

- Call right at 8:30 a.m.; Call will be live immediately.
- SW will also be on the line to moderate and screen reporter questions.

Purpose: Media conference call to discuss Flint Water Comprehensive Action Plan

Possible Topics:
Flint water Action plan
Lead in Flint water
Handling of Flint Water issue
Reconnecting Flint to Detroit water

Media invited:
Flint area media (print, TV and radio)
Associated Press
Detroit News
Detroit Free Press

Recent Articles:
Freep: Legislators take action to fix Flint water supply- http://www.freep.com/story/news/politics/2015/10/01/legislators-take-action-fix-flint-water-supply/73152540/
WDIV: Public health emergency declared due to lead in Flint water- http://www.clickondetroit.com/news/public-health-emergency-declared-due-to-lead-in-flint-water/35601670
Mlive: Governor says fallout from Flint water switch wasn't fully understood- http://www.mlive.com/news/flint/index.ssf/2015/09/snyder_says_he_helped_bring_wa.html
Freep: Snyder finally says lead in Flint water may be problem- http://www.freep.com/story/opinion/columnists/nancy-kaffer/2015/09/30/time-gov-says-lead-flint-water-may-problem/73088666/
Mlive: Legislative Black Caucus urges state of emergency for Flint water- http://www.mlive.com/news/flint/index.ssf/2015/09/michgans_black_causus_urges_go.html

Market: Statewide

Contact: Conference line: [redacted]

RDS/JA – LIVE Radio interview with Frank Beckmann on WJR Radio

Date: Friday, Oct. 2, 2015

Time: 8:45-8:55 a.m. PST

Location: Via phone

RDS to call: [redacted]

Purpose: To discuss priorities and key issues you are working on in 2015.

Possible Topics:

- [redacted]
- [redacted]
- [redacted]
- Flint Water
- [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]

Recent articles:
Freep: Snyder appoints Joan Larsen to Supreme Court- http://www.lansingstatejournal.com/story/news/politics/2015/09/30/u-m-attorney-headed-michigan-supreme-court/73083044/
AP: Michigan in early talks on taking more Syria, Middle East refugees, Snyder says- http://www.crainsdetroit.com/article/20150929/NEWS01/150929798/michigan-in-early-talks-on-taking-more-syria-middle-east-refugees
WILX: Governor Snyder Says Road Talks Going Well- http://www.wilx.com/home/headlines/Governor-Snyder-Says-Road-Talks-Going-Well-330164301.html
AP: Snyder acknowledges some mistakes in tapping Flint River- http://www.elkharttruth.com/news/michigan/2015/09/30/Snyder-acknowledges-some-mistakes-in-tapping-Flint-River.html

Last interview: 5/28/15 at Mackinac

Market: Southeast Michigan- online at wjr.com

Contact: Studio: 313-875-4480; Back-up Producer Terri Leib cell: [redacted]

Laura Biehl
Communications Manager
Executive Office of Michigan Gov. Rick Snyder
George W. Romney Building
111 S. Capitol Ave.
Lansing, MI 48933
Office: (517) 335-6397
[redacted]
BiehlL@Michigan.gov

From: Jason Lorenz <jlorenz@cityofflint.com>
Sent: Tuesday, March 24, 2015 10:35 AM
Subject: PRESS RELEASE: EM Statement on Flint's Water
Attachments: EM Statement on Water 3.24.2015.pdf; EM Letter to Treasury Regarding Water.PDF

For Immediate Release

Emergency Manager Statement on Water: Spending Extra $12 Million on Detroit Water "Incomprehensible" When Flint Water Just as Safe

Flint, Michigan – March 24, 2015 – At the City Council meeting held on Monday, March 23, 2015, Flint City Council made a motion to "do all things necessary" to return to using water purchased from Detroit and discontinue use of the Flint River as a water source. The following statement from Emergency Manager Gerald Ambrose addresses that point:

"Flint water today is safe by all EPA and MDEQ standards and the City is working daily to improve its quality. Users also pay some of the highest rates in the state because of the decreased numbers of users and the age of the system.

"It is incomprehensible to me that 7 members of the Flint City Council would want to send more than $12 million a year to the system serving southeast Michigan, even if Flint rate payers could afford it. Water from Detroit is no safer than water from Flint.

"If $12 million annually were available for discretionary use, it would be far better spent reducing rates paid by Flint customers and/or modernizing the City's system."

-Gerald Ambrose,

Flint Emergency Manager

–END–

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

Jason Lorenz
Public Information Officer
(810) 237-2039
jlorenz@cityofflint.com

For Immediate Release

Emergency Manager Statement on Water: Spending Extra $12 Million on Detroit Water "Incomprehensible" When Flint Water Just as Safe

Flint, Michigan – March 24, 2015 – At the City Council meeting held on Monday, March 23, 2015, Flint City Council made a motion to "do all things necessary" to return to using water purchased from Detroit and discontinue use of the Flint River as a water source. The following statement from Emergency Manager Gerald Ambrose addresses that point:

"Flint water today is safe by all EPA and MDEQ standards and the City is working daily to improve its quality. Users also pay some of the highest rates in the state because of the decreased numbers of users and the age of the system.

"It is incomprehensible to me that 7 members of the Flint City Council would want to send more than $12 million a year to the system serving southeast Michigan, even if Flint rate payers could afford it. Water from Detroit is no safer than water from Flint.

"If $12 million annually were available for discretionary use, it would be far better spent reducing rates paid by Flint customers and/or modernizing the City's system."

-Gerald Ambrose,
Flint Emergency Manager

–END–

CITY OF FLINT

OFFICE OF THE EMERGENCY MANAGER

Gerald Ambrose
Emergency Manager

TO: Wayne Workman, Deputy Treasurer
Treasury Department
State of Michigan

FROM: Jerry Ambrose, Emergency Manager
City of Flint

DATE: March 3, 2015

As the Emergency Manager for the City of Flint, I am charged with restoring the City government to financial solvency, and working to assure that the City moves forward on a financially sustainable basis. The steps taken over the past three years have been difficult. Taxes and fees have been raised, services and workforce reduced, and ongoing costs, including legacy costs, have been constrained.

The current controversy surrounding the provision of water, and the path for resolution, has a potentially significant impact on the progress that is being made. I am satisfied that the water provided to Flint users today is within all MDEQ and EPA guidelines, as evidenced by the most recent water quality results conducted for MDEQ. We have a continuing commitment to maintain water safety and to improve water quality, and have dedicated resources to assure this commitment will be made.

The oft-repeated suggestion that the City should return to DWSD, even for a short period of time, would, in my judgment, have extremely negative financial consequences to the water system, and consequently to the rate payers. By the most conservative estimates, such a move would increase costs by at least $12 million annually, with that amount achieved only by eliminating virtually all budgeted improvements in the system. For a system with Unrestricted Assets of only $740,745, according to the June 30, 2014 audited financial statements, the only recourse within the City's control would be to increase revenues significantly. And in my judgment, that would come from raising rates for water by 30% or more . Further, changing the *source* of the city's water would not necessarily change any of the *aesthetics* of the water, including odor and discoloration, since those appear to be directly related to the aging pipes and other infrastructure that carry water from the treatment facility to our customers.

This direction of discussion also deviates from what, in my judgment, should be the focus: How can we not only operate and maintain a system to assure the delivery of safe and quality water dependably, but significantly reduce the cost of water and sewer to the users? At an average of $149 per month for water and sewer service for a residential user, the cost is extremely high in comparison to surrounding areas, as well as most areas across the state, and creates a significant financial burden for many users. In my judgment, we should all be concentrating on how to reduce rates by 50% or more. Unfortunately, there are no easy or evident answers, and continuation of the status will be an impediment to the sustainable recovery of the City of Flint. It is a conversation that I expect we will have with the recently created Water Quality Advisory Committee.

My reasoning for this conclusion is as follows:

One of the decisions made in the context of beginning to eliminate deficits and to restore financial stability to the City of Flint was to increase water and sewer rates significantly – the only choice available to financially stabilize a system that as of June 30, 2012, had a deficit of $8,758,091. Another was to leave DWDS for the KWA because it offered the opportunity to lower future rate increases. A third decision was to utilize the Flint River on an interim basis when DWSD unilaterally terminated the City's contract for water purchase. That decision was made because it also offered an immediate cost savings opportunity which translated into the ability to upgrade the Water Treatment Plant without having to seek financing. It was a reasonable decision because of our experience in using the river in a back-up capacity, including test runs on a quarterly basis for several decades.

Unfortunately, the switch to the river as a primary source was more challenging than anticipated, and the harsh winter of 2013-2014 resulted in much more damage to the aging water infrastructure than in previous years. The result was the issuance of required notices that water exceeded established guidelines for safety as it could affect certain vulnerable populations, and some users of the system experienced unpleasant odors and discoloration. Some users also appeared to have had some negative reactions to the new source of water. However, as soon as the test results were known, City staff took immediate actions to address the concerns. These actions are evidenced today by the fact that MDEQ has certified that our most recent testing shows water from all testing sites to be well within acceptable guidelines. Additionally, the City is continuing to taking the necessary actions to assure that the water supply remains safe and that water quality continues to improve.

As the City has moved to address the situation, the suggestion continues to be made that the City should re-engage with DWSD and purchase water at least until the KWA pipeline is supplying water. As evidenced by the most recent letter from DWSD, such a decision would immediately increase the City's cost by $846,700 per month, or $10,160,400 per year, just for the fixed cost portion of the price. The actual *purchase* of water would be an additional fee, and dependent upon

the quantity purchased. We estimate the actual water purchase cost to average more than $1 million per month, for a grand total of approximately $22 million per year. Finally, the DWSD offer is conditioned upon the City (or presumably the KWA) agreeing to negotiate a long term contract (30 years) for back-up.

The $22 million annual estimate of increased costs to purchase water from DWSD would be minimally offset by an approximate $3 million in reduced operating costs, and could be further offset by an additional $9 million, but only if all funding for capital improvements to the system are eliminated. To eliminate all funding dedicated to repairing, stabilizing, and improving the system would be totally irresponsible and would have long term negative consequences to the City and to future rate payers.

As you are aware we have recently brought in outside expert assistance to evaluate the steps we have taken to assure that the water is safe and to continue to improve water quality. We are expecting specific recommendations within the next few weeks, and are committed to implementing those recommendations in a timely manner. Many steps have already been taken. I am confident that implementing their recommendations will assure a continuing supply of safe water as well as improved quality, and at far less cost than re-engaging DWSD.

We have also created a 40-member Water Advisory Committee and a 13-member Technical Advisory Committee to assure two-way communication with the public and users of the system. Those committees will begin to meet this week, and we look forward to answering their questions and receiving their input.

It is unfortunate that problems and concerns with quality have arisen, and we are working every day to address the issues that caused them. Maintaining safe water and improving quality is a top priority as we work to make the City of Flint an attractive place to live, work, study, and play.

From: Jason Lorenz <jlorenz@cityofflint.com>
Sent: Friday, July 10, 2015 9:21 AM
Subject: PRESS RELEASE: City of Flint Statement on Latest Water Lawsuit
Attachments: Water Lawsuit Statement 7.10.15.pdf

For Immediate Release

City of Flint Statement on Amended Water Lawsuit

Flint, Michigan – July 10, 2015 – The Coalition for Clean Water has filed a new lawsuit against the City of Flint in which they have abandoned all previous federal claims. In response to the updated complaints, city officials issue the following statements:

"Only one month ago, plaintiffs filed a lawsuit claiming the City violated federal laws. Now they have admitted their claims lacked merit, just as the U.S. District Court said. The plaintiffs' new claims are equally baseless and devoid of legal merit. The taxpayers of this community can ill afford yet another lawsuit and any assertion that water decisions by the City of Flint were made without the public's best interest in mind is misleading and damaging to the public trust."

– Pete Bade, City Attorney

"Every step has been taken to ensure the safety of the water. The City has worked closely with authorities to make certain all safety and quality guidelines are followed. Flint's commitment to providing safe, quality and affordable water has not wavered. The City has taken numerous steps and invested a substantial amount, more than $30 million over 5 years, to improve its water system. These steps have and will include:

- Upgrades to the Water Treatment Plant ahead of water source switch
- Construction of a new intake at the WTP ahead of the KWA connection
- The regular flushing of hydrants
- Exercising and repairing of valves
- Repair of mains damaged during the spring thaw

- The ongoing hydraulic modeling of the distribution system
- Creation of both a citizens' and a technical advisory committee in order to share information with the community
- In-home water testing to monitor distribution system
- On-site testing for TTHM at the Water Treatment Plant
- Approval of a leak detection system set to begin in August
- The creation of a dedicated water webpage, complete with documents and timeline of events, to share this information with the public

In addition, the new granulated activated carbon (GAC) filters are being installed at Flint's Water Treatment Plant. The first round of filters will be installed by mid-July and will have an immediate impact greatly reducing the amount of total organic compound (TOC) and thus reducing the formation of trihalomethanes. These filters, along with the others proactive measures being undertaken to address issues in the system, were the concurrent recommendation of the various parties who evaluated Flint's treatment operation.

– Howard Croft, DPW Director

–END–

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

Dayne Walling
Mayor

Natasha L. Henderson
City Administrator

Jason Lorenz
Public Information Officer
(810) 237-2039
jlorenz@cityofflint.com

For Immediate Release

City of Flint Statement on Amended Water Lawsuit

Flint, Michigan – July 10, 2015 – The Coalition for Clean Water has filed a new lawsuit against the City of Flint in which they have abandoned all previous federal claims. In response to the updated complaints, city officials issue the following statements:

"Only one month ago, plaintiffs filed a lawsuit claiming the City violated federal laws. Now they have admitted their claims lacked merit, just as the U.S. District Court said. The plaintiffs' new claims are equally baseless and devoid of legal merit. The taxpayers of this community can ill afford yet another lawsuit and any assertion that water decisions by the City of Flint were made without the public's best interest in mind is misleading and damaging to the public trust."

– Pete Bade, City Attorney

"Every step has been taken to ensure the safety of the water. The City has worked closely with authorities to make certain all safety and quality guidelines are followed. Flint's commitment to providing safe, quality and affordable water has not wavered. The City has taken numerous steps and invested a substantial amount, more than $30 million over 5 years, to improve its water system. These steps have and will include:

- Upgrades to the Water Treatment Plant ahead of water source switch
- Construction of a new intake at the WTP ahead of the KWA connection
- The regular flushing of hydrants

–CONTINUE–

- Exercising and repairing of valves
- Repair of mains damaged during the spring thaw
- The ongoing hydraulic modeling of the distribution system
- Creation of both a citizens' and a technical advisory committee in order to share information with the community
- In-home water testing to monitor distribution system
- On-site testing for TTHM at the Water Treatment Plant
- Approval of a leak detection system set to begin in August
- The creation of a dedicated water webpage, complete with documents and timeline of events, to share this information with the public

In addition, the new granulated activated carbon (GAC) filters are being installed at Flint's Water Treatment Plant. The first round of filters will be installed by mid-July and will have an immediate impact greatly reducing the amount of total organic compound (TOC) and thus reducing the formation of trihalomethanes. These filters, along with the others proactive measures being undertaken to address issues in the system, were the concurrent recommendation of the various parties who evaluated Flint's treatment operation.

– Howard Croft, DPW Director

–END–

From: Jason Lorenz <jlorenz@cityofflint.com>
Sent: Tuesday, September 15, 2015 9:37 AM
Subject: PRESS RELEASE: Coalition for Clean Water Lawsuit Dismissed by Circuit Court
Attachments: Coalition for Clean Water Lawsuit Dismissed 9.14.15.pdf

For Immediate Release

Lawsuit against City of Flint brought by Coalition for Clean Water Dismissed by Circuit Court

Flint, Michigan – September 15, 2015 – The lawsuit brought against the City of Flint by the Coalition for Clean Water has been dismissed by Circuit Court Judge Archie Hayman. In his September 14 ruling, Judge Hayman determined that the plaintiff did not state a valid cause of action against the City of Flint, the Mayor and the City Administrator. Judge Hayman also determined that he did not have jurisdiction to provide the relief sought by the plaintiff. All counts of the Coalition's amended complaint were therefore dismissed.

The City of Flint has maintained communication with both the Michigan Department of Environmental Quality and the United States Environmental Protection Agency to ensure all proper safety and quality standards have been followed. The MDEQ recently notified Flint that it is no longer in violation of the Safe Water Drinking Act due to total trihalomethanes (TTHM) following four consecutive quarters of testing showing levels below the federal action level. The City of Flint will continue to work to ensure safe, quality and affordable drinking water to its residents, businesses and visitors.

The City of Flint will continue to provide updates on its water progress through its website, cityofflint.com. Anyone with water issues is encouraged to call 810-766-7202 so that they can be addressed. Residents wishing to receive a free and independent in-home water test can call 810-787-6537 or email flintwater@cityofflint.com.

–END–

-Jason Lorenz
Public Information Officer

City of Flint
(810) 237-2039 (Office)
[redacted]
jlorenz@cityofflint.com

Dayne Walling
Mayor

Natasha L. Henderson
City Administrator

Jason Lorenz
Public Information Officer
(810) 237-2039
jlorenz@cityofflint.com

For Immediate Release

Lawsuit against City of Flint brought by Coalition for Clean Water Dismissed by Circuit Court

Flint, Michigan – September 15, 2015 – The lawsuit brought against the City of Flint by the Coalition for Clean Water has been dismissed by Circuit Court Judge Archie Hayman. In his September 14 ruling, Judge Hayman determined that the plaintiff did not state a valid cause of action against the City of Flint, the Mayor and the City Administrator. Judge Hayman also determined that he did not have jurisdiction to provide the relief sought by the plaintiff. All counts of the Coalition's amended complaint were therefore dismissed.

The City of Flint has maintained communication with both the Michigan Department of Environmental Quality and the United States Environmental Protection Agency to ensure all proper safety and quality standards have been followed. The MDEQ recently notified Flint that it is no longer in violation of the Safe Water Drinking Act due to total trihalomethanes (TTHM) following four consecutive quarters of testing showing levels below the federal action level. The City of Flint will continue to work to ensure safe, quality and affordable drinking water to its residents, businesses and visitors.

The City of Flint will continue to provide updates on its water progress through its website, cityofflint.com. Anyone with water issues is encouraged to call 810-766-7202 so that they can be addressed. Residents wishing to receive a free and independent in-home water test can call 810-787-6537 or email flintwater@cityofflint.com.

–END–

From: Lange, Michelle (GOV)
Sent: Friday, October 02, 2015 8:23 AM
To: Wurfel, Sara (GOV)
Subject: RE: HIGH PRIORITY: Updated Flint water action plan

Good morning- just went through it, doesn't look like you need leg to make any calls, but wanted to double check in case I'm missing something.

Thanks!

M.

From: Wurfel, Sara (GOV)
Sent: Thursday, October 1, 2015 11:42 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Posthumus, Dick (GOV) <Posthumusd@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>; Priest, Chris (GOV) <PriestC1@michigan.gov>; Ackerman, Darin (GOV) <ackermand3@michigan.gov>; Lange, Michelle (GOV) <LangeM3@michigan.gov>; Mcbride, Bill (GOV) <mcbrideb@michigan.gov>; Brown, Eric (GOV) <BrownE15@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>
Cc: Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>; Clayton, Stacie (GOV) <claytons3@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Brown, Jessica (GOV) <BrownJ53@michigan.gov>; Paciorek, Josh (GOV) <Paciorekj@michigan.gov>
Subject: HIGH PRIORITY: Updated Flint water action plan
Importance: High

Hi all –

Attached are several items pulled together to help announce the new comprehensive action plan related to Flint water tomorrow. This build upon past efforts and as aimed to be a real collaborative effort with local, state and federal agencies, along with city and community leaders. These items are:

- News release
- Infographics – one to summarize action plan and one to help highlight the tips for Flint residents
- High level points

The Governor, along with Dan Wyant, Nick Lyon, and Dr. Eden Wells are slated to do an embargoed media conference call with select reporters at 11:15 a.m. tomorrow.

This will be followed by a 1:30 p.m. press conference in Flint led by Directors Wyant and Lyon, moderated by Harvey, and including Dr. Wells and Flint Mayor Dayne Walling. EPA Region 5 Administrator Susan Headman dropped out late today due to some pending litigation. It's possible that Cong. Kildee and/or State Sen. Anaich and State Reps. Neely and Phelps may be participating as well.

There will also be a clearinghouse of Flint water information available at a new web site – www.michigan.gov/FlintWater. It will be live at 1 p.m. tomorrow.

Please review and let us know of any Qs, concerns, last edits, of if anything else is needed at all.

They are going through last review and refinement now. Please do not share materials until we know they are final.

Thanks much,
SW

Sara Wurfel, APR
Press Secretary | Executive Office of Governor Rick Snyder
wurfels@michigan.gov
517-335-6397, office
[redacted] mobile
Twitter:@SaraLW

From: Baird, Richard (GOV)
Sent: Wednesday, October 07, 2015 7:22 PM
To: Wurfel, Sara (GOV)
Subject: Fwd: URGENT review please -- Draft Flint water release
Attachments: 151008 Flint water release_V2.docx; ATT00001.htm

meant to send to you.

Sent from my iPad

Begin forwarded message:

> **From:** "Baird, Richard (GOV)" <bairdr@michigan.gov>
> **Date:** October 7, 2015 at 7:12:04 PM EDT
> **To:** "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>, "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>, "Biehl, Laura (GOV)" <BiehlL@michigan.gov>, "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>
> **Subject: Fwd: URGENT review please -- Draft Flint water release**
>
> I think this looks good but are we missing an opportunity to shout out all the entities that have stepped up to help? GM, Home Depot, etc. etc.?
>
> If Harvey has the full list, perhaps it could even be attached as an addendum. The point is that a lot of people did come together to address the problem, including the private sector and various volunteer organizations. I think it says something special about this state rallying to help one of its cities.
>
> Rich
>
> Sent from my iPad
>
> Begin forwarded message:
>
> > **From:** "Biehl, Laura (GOV)" <BiehlL@michigan.gov>
> > **Date:** October 7, 2015 at 6:46:28 PM EDT
> > **To:** "Murray, David (GOV)" <MurrayD1@michigan.gov>, "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>, "Wurfel, Sara (GOV)" <Wurfels@michigan.gov>, "Heaton, Anna (GOV)" <HeatonA@michigan.gov>, "Kennedy, Jordan (GOV)" <KennedyJ4@michigan.gov>, "Brown, Jessica (GOV)" <BrownJ53@michigan.gov>, "Paciorek, Josh (GOV)" <Pacioreki@michigan.gov>, "Lasher, Geralyn (DHHS)" <lasherg@michigan.gov>, "Minicuci, Angela (DHHS)" <MinicuciA@michigan.gov>, "Eisner, Jennifer (DHHS)" <EisnerJ@michigan.gov>, "Wurfel, Sara (GOV)" <Wurfels@michigan.gov>, "Tommasulo, Karen (DEQ)" <TommasuloK@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>, "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Posthumus, Dick (GOV)" <Posthumusd@michigan.gov>, "Baird, Richard (GOV)" <bairdr@michigan.gov>, "Calley, Brian (GOV)" <[redacted]>, "Forstner, Nathaniel (GOV)" <forstnern1@michigan.gov>
> > **Subject: RE: URGENT review please -- Draft Flint water release**

See new version attached. Small revisions made and placeholders added for Mayor and Mott Foundation Quotes.

From: Murray, David (GOV)
Sent: Wednesday, October 07, 2015 6:12 PM
To: Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Biehl, Laura (GOV) <BiehlL@michigan.gov>; Heaton, Anna (GOV) <HeatonA@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Brown, Jessica (GOV) <BrownJ53@michigan.gov>; Paciorek, Josh (GOV) <Paciorekj@michigan.gov>; Lasher, Geralyn (DHHS) <lasherg@michigan.gov>; Minicuci, Angela (DHHS) <MinicuciA@michigan.gov>; Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Tommasulo, Karen (DEQ) <TommasuloK@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Posthumus, Dick (GOV) <Posthumusd@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>; Calley, Brian (GOV) [redacted]; Forstner, Nathaniel (GOV) <forstnern1@michigan.gov>
Subject: URGENT review please -- Draft Flint water release

Team,

Please review this draft press release for the Thursday announcement in Flint. This incorporates some suggested edits to the strong draft from DEQ earlier today.

Thank you very much.

Gov. Rick Snyder: Move back to Detroit water provides best protection for public health in Flint

State, Mott Foundation and city form partnership to fund switch

FLINT, Mich. – Flint families and children will be better protected by reconnecting with the Great Lakes Water Authority as the source of the city's drinking water, Gov. Rick Snyder said.

Snyder said Thursday that he will request the state Legislature to provide a portion of the $12 million needed to reconnect with the authority, with the Flint city government providing $2 million and the Charles Stewart Mott Foundation donating $4 million.

The Michigan Department of Health and Human Services and the Department of Environmental Quality today also committed an additional $3.5 million for water filters, free lead testing through the state laboratory for Flint water customers, and hiring additional staff to conduct health exposure monitoring for lead in drinking water.

Flint city leaders requested the state's help to fund the reconnection after a Wednesday meeting of Flint's Technical Advisory Committee. Flint's move to the

Great Lakes Water Authority is expected to cost about $1.3 million per month until the Karegnondi Water Authority is completed next summer.

“All Flint residents need clean, safe drinking water,” Snyder said. “The technical experts helping the city on its water advisory all agree this move back to the Great Lakes Water Authority provides the best public health protection for children and families. This effort today is the result of people coming together to solve a problem. I appreciate Detroit’s willingness to reconnect with Flint, the Mott Foundation’s generous donation, and the dedication of all parties to come together to protect Flint families and children.”

The move to Detroit water, which is drawn from Lake Huron, carries many public health benefits. As large bodies of water, the Great Lakes are naturally prone to fewer problems from large rain events and other runoff issues that can be present in shallower rivers. Additionally, the Great Lakes Water Authority has already fully optimized its corrosion control, using phosphates to help coat the insides of pipes and prevent lead from leaching into the water.

However, reconnecting with the authority will not completely resolve the city’s problem with lead service lines or aging infrastructure. It will take time for pipes in Flint to become coated with the phosphate corrosion control. Additionally, some households in the city could experience lead in their drinking water until all lead pipes and plumbing are replaced.

To best protect public health, Snyder said state and local authorities will continue to carry out steps outlined on Oct. 2 in a comprehensive action plan, including continued testing, the use of faucet filters and providing residents with accurate information about steps to eliminate lead in water.

Free filters are available for current MDHHS clients at the 125 E. Union St. or 4809 Clio Road MDHHS office locations.

For residents who are not currently enrolled in MDHHS assistance programs, free filters are available at the Genesee County Community Action Resource Department offices at 2727 Lippincott and 601 North Saginaw in Flint. Staff will be at all four locations from 9 a.m. to 4 p.m., Monday through Friday, to distribute filters and assist residents who have questions about proper installation.

At the Lippincott location only, extended hours will be offered this weekend, including until 7 p.m. on Thursday and Friday and from 10 a.m. to 2 p.m. on Saturday.

Other good practices for residents concerned about lead include turning on the cold water tap and running the water until it’s as cold as it will go. Additionally, only use cold water for cooking, drinking and especially mixing baby formula.

School test results released; more investigation planned

The state today also released the first results from its lead screening program in schools and homes. Of 37 total samples taken at 13 buildings, four samples spread over three buildings exceeded the federal action level of 15 parts per billion.

However, this sampling provides only an initial screen, and the state is committing to further testing water and inspecting plumbing at these schools.

Until testing is complete, schools are advised to continue using bottled water and filtration as a precaution to protect children.

In addition, free testing is still available for any other Flint school, including daycares and Head Starts. Free testing is also available for any Flint resident.

Additional information, including more detailed lead screening results, is available at www.michigan.gov/flintwater.

###

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397 office
[redacted] mobile
Twitter:@michigandmurray

STATE OF MICHIGAN
EXECUTIVE OFFICE
LANSING

RICK SNYDER
GOVERNOR

BRIAN CALLEY
LT. GOVERNOR

CONTACTS:	FOR IMMEDIATE RELEASE
Sara Wurfel or Dave Murray Governor's Office: 517-335-6397 Brad Wurfel, 517-284-6713 Department of Environmental Quality Jennifer Eisner, 517-230-9804 Department of Health and Human Services	Thursday, Oct. 8, 2015

Gov. Rick Snyder: Move back to Detroit water provides best protection for public health in Flint

State, Mott Foundation and city form partnership to fund switch

FLINT, Mich. – Flint families and children will be better protected by reconnecting with the Great Lakes Water Authority as the source of the city's drinking water, Gov. Rick Snyder said.

Snyder said Thursday that he will request the state Legislature to provide half, or $6 million, of the $12 million needed to reconnect with the authority. The Flint city government will provide $2 million and the Charles Stewart Mott Foundation will donate $4 million.

"All Flint residents need clean, safe drinking water," Snyder said. "The technical experts helping the city on its water advisory all agree this move back to the Great Lakes Water Authority provides the best public health protection for children and families. This effort today is the result of people coming together to solve a problem. I appreciate Detroit's willingness to reconnect with Flint, the Mott Foundation's generous donation, and the dedication of all parties to come together to protect Flint families and children."

The Michigan Departments of Environmental Quality and Health and Human Services today also committed an additional $3.5 million for water filters, free lead testing through the state laboratory for Flint water customers, and hiring additional staff to conduct health exposure monitoring for lead in drinking water.

Flint city leaders requested the state's help to fund the reconnection after a Wednesday meeting of Flint's Technical Advisory Committee. Flint's move to the Great Lakes Water Authority is expected to cost about $1.3 million per month until the Karegnondi Water Authority is completed next summer.

INSERT MAYOR QUOTE HERE

The move to Detroit water, which is drawn from Lake Huron, carries many public health benefits. As large bodies of water, the Great Lakes are naturally prone to fewer problems from large rain events and other runoff issues that can be present in shallower rivers. Additionally, the Great Lakes Water Authority has already fully optimized its corrosion control, using phosphates to help coat the insides of pipes and prevent lead from leaching into the water.

However, reconnecting with the authority will not completely resolve the city's problem with lead service lines or aging infrastructure. It will take time for pipes in Flint to become coated with the phosphate corrosion control. Additionally, some households in the city could experience lead in their drinking water until all lead pipes and plumbing are replaced.

INSERT MOTT FOUNDATION QUOTE HERE

To best protect public health, Snyder said state and local authorities will continue to carry out steps outlined on Oct. 2 in a comprehensive action plan, including continued testing, the use of faucet filters and providing residents with accurate information about steps to eliminate lead exposure.

Free filters are available for current MDHHS clients at the 125 E. Union St. or 4809 Clio Road MDHHS office locations. For residents who are not currently enrolled in MDHHS assistance programs, free filters are available at the Genesee County Community Action Resource Department offices at 2727 Lippincott and 601 North Saginaw in Flint. Staff will be at all four locations from 9 a.m. to 4 p.m., Monday through Friday, to distribute filters and assist residents who have questions about proper installation. At the Lippincott location only, extended hours will be offered this weekend, including until 7 p.m. on Thursday and Friday and from 10 a.m. to 2 p.m. on Saturday.

Other good practices for residents concerned about lead include turning on the cold water tap and running the water until it's as cold as it will go. Additionally, only use cold water for cooking, drinking and especially mixing baby formula.

School test results released; more investigation planned

The state today also released the first results from its lead screening program in schools and homes. Of 37 total samples taken at 13 buildings, four samples spread over three buildings exceeded the federal action level of 15 parts per billion.

However, this sampling provides only an initial screen, and the state is committing to further testing water and inspecting plumbing at these schools. Until testing is complete, schools are advised to continue using bottled water and filtration as a precaution to protect children.

In addition, free testing is still available for any other Flint school, including daycares and Head Starts. Free testing is also available for any Flint resident.

Additional information, including more detailed lead screening results, is available at www.michigan.gov/flintwater.

###

From: Hollins, Harvey (GOV)
Sent: Wednesday, October 07, 2015 7:30 PM
To: Wurfel, Sara (GOV)
Subject: Re: URGENT review please -- Draft Flint water release
Attachments: image001.jpg

I thought was part of the team... :(. Lol. I know your busy.

When the Mayor sends you the council's contact list, let me know.

Best,
Harvey

On Oct 7, 2015, at 7:17 PM, Wurfel, Sara (GOV) <Wurfels@michigan.gov> wrote:

> Looping in Harvey, Brad and Maggie here too ...
>
> **From:** Biehl, Laura (GOV)
> **Sent:** Wednesday, October 07, 2015 6:46 PM
> **To:** Murray, David (GOV) <MurrayD1@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Heaton, Anna (GOV) <HeatonA@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Brown, Jessica (GOV) <BrownJ53@michigan.gov>; Paciorek, Josh (GOV) <Paciorekj@michigan.gov>; Lasher, Geralyn (DHHS) <lasherg@michigan.gov>; Minicuci, Angela (DHHS) <MinicuciA@michigan.gov>; Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Tommasulo, Karen (DEQ) <TommasuloK@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Posthumus, Dick (GOV) <Posthumusd@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>; Calley, Brian (GOV) <[redacted]; Forstner, Nathaniel (GOV) <forstnern1@michigan.gov>
> **Subject:** RE: URGENT review please -- Draft Flint water release
>
> See new version attached. Small revisions made and placeholders added for Mayor and Mott Foundation Quotes.
>
> **From:** Murray, David (GOV)
> **Sent:** Wednesday, October 07, 2015 6:12 PM
> **To:** Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Biehl, Laura (GOV) <BiehlL@michigan.gov>; Heaton, Anna (GOV) <HeatonA@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Brown, Jessica (GOV) <BrownJ53@michigan.gov>; Paciorek, Josh (GOV) <Paciorekj@michigan.gov>; Lasher, Geralyn (DHHS) <lasherg@michigan.gov>; Minicuci, Angela (DHHS) <MinicuciA@michigan.gov>; Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Tommasulo, Karen (DEQ) <TommasuloK@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Posthumus, Dick (GOV) <Posthumusd@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>; Calley, Brian (GOV) <[redacted] Forstner, Nathaniel (GOV) <forstnern1@michigan.gov>
> **Subject:** URGENT review please -- Draft Flint water release

Team,

Please review this draft press release for the Thursday announcement in Flint. This incorporates some suggested edits to the strong draft from DEQ earlier today.

Thank you very much.

Gov. Rick Snyder: Move back to Detroit water provides best protection for public health in Flint

State, Mott Foundation and city form partnership to fund switch

FLINT, Mich. – Flint families and children will be better protected by reconnecting with the Great Lakes Water Authority as the source of the city's drinking water, Gov. Rick Snyder said.

Snyder said Thursday that he will request the state Legislature to provide a portion of the $12 million needed to reconnect with the authority, with the Flint city government providing $2 million and the Charles Stewart Mott Foundation donating $4 million.

The Michigan Department of Health and Human Services and the Department of Environmental Quality today also committed an additional $3.5 million for water filters, free lead testing through the state laboratory for Flint water customers, and hiring additional staff to conduct health exposure monitoring for lead in drinking water.

Flint city leaders requested the state's help to fund the reconnection after a Wednesday meeting of Flint's Technical Advisory Committee. Flint's move to the Great Lakes Water Authority is expected to cost about $1.3 million per month until the Karegnondi Water Authority is completed next summer.

"All Flint residents need clean, safe drinking water," Snyder said. "The technical experts helping the city on its water advisory all agree this move back to the Great Lakes Water Authority provides the best public health protection for children and families. This effort today is the result of people coming together to solve a problem. I appreciate Detroit's willingness to reconnect with Flint, the Mott Foundation's generous donation, and the dedication of all parties to come together to protect Flint families and children."

The move to Detroit water, which is drawn from Lake Huron, carries many public health benefits. As large bodies of water, the Great Lakes are naturally prone to fewer problems from large rain events and other runoff issues that can be present in shallower rivers. Additionally, the Great Lakes Water Authority has already fully optimized its corrosion control, using phosphates to help coat the insides of pipes and prevent lead from leaching into the water.

However, reconnecting with the authority will not completely resolve the city's problem with lead service lines or aging infrastructure. It will take time for pipes in Flint to become coated with the phosphate corrosion control. Additionally, some households in the city could experience lead in their drinking water until all lead pipes and plumbing are replaced.

To best protect public health, Snyder said state and local authorities will continue to carry out steps outlined on Oct. 2 in a comprehensive action plan, including continued testing, the use of faucet filters and providing residents with accurate information about steps to eliminate lead in water.

Free filters are available for current MDHHS clients at the 125 E. Union St. or 4809 Clio Road MDHHS office locations.

For residents who are not currently enrolled in MDHHS assistance programs, free filters are available at the Genesee County Community Action Resource Department offices at 2727 Lippincott and 601 North Saginaw in Flint. Staff will be at all four locations from 9 a.m. to 4 p.m., Monday through Friday, to distribute filters and assist residents who have questions about proper installation.

At the Lippincott location only, extended hours will be offered this weekend, including until 7 p.m. on Thursday and Friday and from 10 a.m. to 2 p.m. on Saturday.

Other good practices for residents concerned about lead include turning on the cold water tap and running the water until it's as cold as it will go. Additionally, only use cold water for cooking, drinking and especially mixing baby formula.

School test results released; more investigation planned

The state today also released the first results from its lead screening program in schools and homes. Of 37 total samples taken at 13 buildings, four samples spread over three buildings exceeded the federal action level of 15 parts per billion.

However, this sampling provides only an initial screen, and the state is committing to further testing water and inspecting plumbing at these schools. Until testing is complete, schools are advised to continue using bottled water and filtration as a precaution to protect children.

In addition, free testing is still available for any other Flint school, including daycares and Head Starts. Free testing is also available for any Flint resident.

Additional information, including more detailed lead screening results, is available at www.michigan.gov/flintwater.

###

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397, office
[redacted]mobile
Twitter:@michigandmurray

<image001.jpg>

From: Hollins, Harvey (GOV)
Sent: Wednesday, October 07, 2015 8:11 PM
To: Wurfel, Sara (GOV)
Subject: Re: URGENT review please -- Draft Flint water release

I just saw the email trail. Thanks Sara.

Best,
Harvey

On Oct 7, 2015, at 7:42 PM, Wurfel, Sara (GOV) <Wurfels@michigan.gov> wrote:

> On the plus side, the original didn't come from me but noticed that you weren't on there.
>
> Mayor just sent contact info -- making sure you got oK?
>
> ---
>
> **From:** Hollins, Harvey (GOV)
> **Sent:** Wednesday, October 07, 2015 7:30 PM
> **To:** Wurfel, Sara (GOV) <Wurfels@michigan.gov>
> **Subject:** Re: URGENT review please -- Draft Flint water release
>
> I thought was part of the team... :(. Lol. I know your busy.
>
> When the Mayor sends you the council's contact list, let me know.
>
> Best,
> Harvey
>
> On Oct 7, 2015, at 7:17 PM, Wurfel, Sara (GOV) <Wurfels@michigan.gov> wrote:
>
> > Looping in Harvey, Brad and Maggie here too ...
> >
> > ---
> >
> > **From:** Biehl, Laura (GOV)
> > **Sent:** Wednesday, October 07, 2015 6:46 PM
> > **To:** Murray, David (GOV) <MurrayD1@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Heaton, Anna (GOV) <HeatonA@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Brown, Jessica (GOV) <BrownJ53@michigan.gov>; Paciorek, Josh (GOV) <Paciorekj@michigan.gov>; Lasher, Geralyn (DHHS) <lasherg@michigan.gov>; Minicuci, Angela (DHHS) <MinicuciA@michigan.gov>; Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Tommasulo, Karen (DEQ) <TommasuloK@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Posthumus, Dick (GOV) <Posthumusd@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>; Calley, Brian (GOV) [redacted] Forstner, Nathaniel (GOV) <forstnern1@michigan.gov>
> > **Subject:** RE: URGENT review please -- Draft Flint water release

See new version attached. Small revisions made and placeholders added for Mayor and Mott Foundation Quotes.

From: Murray, David (GOV)
Sent: Wednesday, October 07, 2015 6:12 PM
To: Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Biehl, Laura (GOV) <BiehlL@michigan.gov>; Heaton, Anna (GOV) <HeatonA@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Brown, Jessica (GOV) <BrownJ53@michigan.gov>; Paciorek, Josh (GOV) <Paciorekj@michigan.gov>; Lasher, Geralyn (DHHS) <lasherg@michigan.gov>; Minicuci, Angela (DHHS) <MinicuciA@michigan.gov>; Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Tommasulo, Karen (DEQ) <TommasuloK@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Posthumus, Dick (GOV) <Posthumusd@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>; Calley, Brian (GOV) [redacted] Forstner, Nathaniel (GOV) <forstnern1@michigan.gov>
Subject: URGENT review please -- Draft Flint water release

Team,

Please review this draft press release for the Thursday announcement in Flint. This incorporates some suggested edits to the strong draft from DEQ earlier today.

Thank you very much.

Gov. Rick Snyder: Move back to Detroit water provides best protection for public health in Flint

State, Mott Foundation and city form partnership to fund switch

FLINT, Mich. – Flint families and children will be better protected by reconnecting with the Great Lakes Water Authority as the source of the city's drinking water, Gov. Rick Snyder said.

Snyder said Thursday that he will request the state Legislature to provide a portion of the $12 million needed to reconnect with the authority, with the Flint city government providing $2 million and the Charles Stewart Mott Foundation donating $4 million.

The Michigan Department of Health and Human Services and the Department of Environmental Quality today also committed an additional $3.5 million for water filters, free lead testing through the state laboratory for Flint water customers, and hiring additional staff to conduct health exposure monitoring for lead in drinking water.

Flint city leaders requested the state's help to fund the reconnection after a Wednesday meeting of Flint's Technical Advisory Committee. Flint's move to the

Great Lakes Water Authority is expected to cost about $1.3 million per month until the Karegnondi Water Authority is completed next summer.

“All Flint residents need clean, safe drinking water,” Snyder said. “The technical experts helping the city on its water advisory all agree this move back to the Great Lakes Water Authority provides the best public health protection for children and families. This effort today is the result of people coming together to solve a problem. I appreciate Detroit’s willingness to reconnect with Flint, the Mott Foundation’s generous donation, and the dedication of all parties to come together to protect Flint families and children.”

The move to Detroit water, which is drawn from Lake Huron, carries many public health benefits. As large bodies of water, the Great Lakes are naturally prone to fewer problems from large rain events and other runoff issues that can be present in shallower rivers. Additionally, the Great Lakes Water Authority has already fully optimized its corrosion control, using phosphates to help coat the insides of pipes and prevent lead from leaching into the water.

However, reconnecting with the authority will not completely resolve the city’s problem with lead service lines or aging infrastructure. It will take time for pipes in Flint to become coated with the phosphate corrosion control. Additionally, some households in the city could experience lead in their drinking water until all lead pipes and plumbing are replaced.

To best protect public health, Snyder said state and local authorities will continue to carry out steps outlined on Oct. 2 in a comprehensive action plan, including continued testing, the use of faucet filters and providing residents with accurate information about steps to eliminate lead in water.

Free filters are available for current MDHHS clients at the 125 E. Union St. or 4809 Clio Road MDHHS office locations.

For residents who are not currently enrolled in MDHHS assistance programs, free filters are available at the Genesee County Community Action Resource Department offices at 2727 Lippincott and 601 North Saginaw in Flint. Staff will be at all four locations from 9 a.m. to 4 p.m., Monday through Friday, to distribute filters and assist residents who have questions about proper installation.

At the Lippincott location only, extended hours will be offered this weekend, including until 7 p.m. on Thursday and Friday and from 10 a.m. to 2 p.m. on Saturday.

Other good practices for residents concerned about lead include turning on the cold water tap and running the water until it’s as cold as it will go. Additionally, only use cold water for cooking, drinking and especially mixing baby formula.

School test results released; more investigation planned

The state today also released the first results from its lead screening program in schools and homes. Of 37 total samples taken at 13 buildings, four samples spread over three buildings exceeded the federal action level of 15 parts per billion.

However, this sampling provides only an initial screen, and the state is committing to further testing water and inspecting plumbing at these schools.

Until testing is complete, schools are advised to continue using bottled water and filtration as a precaution to protect children.

In addition, free testing is still available for any other Flint school, including daycares and Head Starts. Free testing is also available for any Flint resident.

Additional information, including more detailed lead screening results, is available at www.michigan.gov/flintwater.

###

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397, office
[redacted]mobile
Twitter:@michigandmurray

<image001.jpg>

From: Saxton, Thomas (Treasury)
Sent: Tuesday, October 13, 2015 11:51 AM
To: Wyant, Dan (DEQ); Muchmore, Dennis (GOV)
Cc: Wurfel, Sara (GOV); Wurfel, Brad (DEQ); Stanton, Terry A. (Treasury); Workman, Wayne (TREASURY)
Subject: FW: Flint Water Issue: Memorandum RTAB1.PDF
Attachments: Memorandum RTAB1.PDF

Importance: High

Just fyi... the reconnect to DWSD is hitting the RTAB agenda tomorrow. We are not foreseeing any problems in terms of its approval.

From: Workman, Wayne (TREASURY)
Sent: Tuesday, October 13, 2015 10:44 AM
To: Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>
Cc: Stanton, Terry A. (Treasury) <StantonT@michigan.gov>
Subject: FW: Flint Water Issue: Memorandum RTAB1.PDF
Importance: High

Wayne L. Workman
Deputy State Treasurer
Michigan Department of Treasury

From: Cline, Richard (Treasury)
Sent: Tuesday, October 13, 2015 10:40 AM
To: Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>; Byrne, Randall (Treasury) <ByrneR1@michigan.gov>; Schafer, Suzanne K. (Treasury) <SchaferS7@michigan.gov>; Koryzno, Edward (Treasury) <KoryznoE@michigan.gov>
Subject: Flint Water Issue: Memorandum RTAB1.PDF
Importance: High

FYI.

I just received this from Natasha regarding the City's request to reconnect to DWSD.

The City is asking that the RTAB consider this tomorrow. I am in the process of sending this to the Board.

It appears that the City is planning on taking the $2M from Fund Balance.

Eric Cline | Department Manager | State of Michigan
Michigan Department of Treasury | Local Government Financial Services Division | Fiscal Responsibility Section
430 W. Allegan Street, 3rd Floor | Lansing, MI 48922
Lansing Office (517) 335-2078 | [redacted] | Traverse City Office (231) 922-5228
E-mail clinerl@michigan.gov

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, is for the sole use of the intended recipient(s) and may contain information that is confidential and protected from disclosure under the law. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail, and delete/destroy all copies of the original message and attachments Thank you.

From: Natasha Henderson [mailto:natashalhenderson@gmail.com]
Sent: Tuesday, October 13, 2015 10:16 AM
To: Dempkowski, Angela (Treasury) <DempkowskiA@michigan.gov>; Cline, Richard (Treasury) <cliner1@michigan.gov>
Subject: Memorandum RTAB1.PDF

Hello Eric,

Per your request, I have attached a request to add two high priority items to the RTAB agenda.

Thanks,

Natasha L. Henderson

CITY OF FLINT

Dayne Walling
Mayor

Natasha L. Henderson
City Administrator

Memorandum
To: Receivership Transition Advisory Board
From: Natasha L. Henderson, City Administrator
Date: Tuesday, October 13th
Re: Emergency Additions to the Agenda

Members of the Receivership Transition Advisory Board:

This memorandum respectfully requests the inclusion of two urgent items on the agenda for the October 14 Receivership Transition Advisory Board Meeting.

As you may be aware, the Genesee County Health Department has issued a public health advisory in regard to the high amount of lead contamination in City water in response to the findings of physicians at Hurley Hospital. This was followed by a similar advisory declared by the City.

Seeking to address this emergency, I requested that the City explore the possibility of ceasing the use of the Flint River as the City's water source and to reconnect to the Detroit Water and Sewerage Department (DWSD) until the KWA pipeline can be completed in 2016. This request was followed by a recommendation by the Mayor's Technical Advisory Committee to reconnect to DWSD to improve the City's water quality, thereby safeguarding public health. On October 8, 2015, the Governor pledged to provide financial assistance to Flint for the reconnection, in the amount of six million dollars. The Mott Foundation graciously offered to provide an additional four million. Combined with two million dollars provided by the City, a total amount of $12 million can be utilized to reconnect the City to DWSD for a nine month period.

In the interests of the public health and welfare, I request that the first item added to the agenda be a resolution (#150872) making available two million dollars from general fund balance to reconnect to DWSD. The second item requested to be added to the agenda is a resolution (#150875) granting the City Administrator the Authority to enter into a contract with DWSD. These items have been attached for your review.

I apologize for the sudden request for changes to the agenda, however the City is facing a critical emergency requiring immediate attention. The Administration has had to react with reflexive speed and remain adaptable to try to mitigate the serious consequences already affecting the residents of this community. I ask that you please consider my request to add and approve these items so that we may address this emergency in a timely and responsive manner.

Respectfully,

Natasha L. Henderson, City Administrator

RESOLUTION NO.: 150872

PRESENTED: _____

ADOPTED: _____

RESOLUTION AUTHORIZING A BUDGET AMENDMENT TO INCREASE THE WATER AND SEWER BUDGET BY $12,000,000.00 AND TO ALLOW FOR EXPENDITURES FROM THOSE FUNDS TO FACILITATE THE SWITCH BACK TO THE DWSD WATER SUPPLY

BY THE CITY ADMINISTRATOR:

Due to the serious health threat facing the residents of the City of Flint, the Administration has been diligently working toward a feasible and speedy resolution to the City's water crisis; and

Through the commitment of $6 million from the State of Michigan and $4 million from the C.S. Mott Foundation, a total of $10 million in contributions have been pledged to assist the City with the cost of purchasing water from the Detroit Water and Sewerage Department and its successor, the Great Lakes Water Authority, until the City is able to receive water from the Karegnondi Water Authority (KWA).

The City Administrator and the Mayor have agreed to the acceptance of these funds. At this time, the KWA reports that construction is on schedule to be completed by June 30, 2016. The City estimates that the total cost to purchase water through DWSD will be $12 million for 9 months. The balance of $2 million not covered by the generous pledges of State and Local resources is the responsibility of the City.

A budget amendment is necessary to reflect both an increase in revenues for the receipt of $10 million in assistance and $2 million of budgeted Use of Fund Balance and an increase in expenditures of $12 million for the purchase of DWSD water supply.

IT IS RESOLVED that the Finance Department is authorized to process a budget amendment to the appropriate Water and Sewer funds to facilitate the switch back to the Detroit water system as soon as practicable. Specific revenue and expenditure line items will be provided by the Chief Financial Officer.

APPROVED AS TO FORM:

pr

Peter M. Bade, City Attorney

FOR THE CITY OF FLINT:

Natasha L. Henderson, City Administrator

APPROVED AS TO FINANCE:

Jody N. Lundquist, Chief Financial Officer

APPROVED BY THE FLINT CITY COUNCIL:

_____

S:\P. Bade\City Administrator\Resolutions\Switch Back DWSD 10.07.15.docx

RESOLUTION STAFF REVIEW

DATE: October 12, 2015

Agenda Item Title: **RESOLUTION AUTHORIZING A BUDGET AMENDMENT TO INCREASE THE WATER AND SEWER BUDGET BY $12,000,000.00 AND TO ALLOW FOR EXPENDITURES FROM THOSE FUNDS TO FACILITATE THE SWITCH BACK TO THE DWSD WATER SUPPLY**

Prepared By: Jody N. Lundquist

Background/Summary of Proposed Action: As a result of the ongoing concern for the health and wellbeing of the City of Flint's residents, City Administration has worked to negotiate the reconnection to Detroit Water and Sewerage Department (DWSD) supply until the Karegnondi Water Authority (KWA) pipeline construction is complete. Per KWA representatives, KWA construction remains on schedule with a final completion date of June 30, 2016.

Financial Implications: The purchase of water from DWSD is estimated to cost approximately $12 million through June 30, 2016 based on average usage of 16 million gallons per day. $10 million in support has been pledged from State and Local sources. The City proposes a budget amendment for Use of Fund Balance in the Water Fund in the amount of $2 million to cover the cost of purchasing DWSD water through fiscal year end.

While the City continues to grapple with the financial impact of the Preliminary Injunction Order issued on August 7, 2015, in the short term, both the shortfall in revenues as a result of the Order and the additional cost of responding to the health and safety of the City's water supply are exactly the type of events for which the City's Fund Balance Reserve policies were designed. To the extent that the City Water Fund Reserve is projected to fall below the required balance of 25% of current year operating expenses and one year's annual debt service, the City will propose a reserve replenishment plan to accompany adoption of the next fiscal year's operating budget.

Budgeted Expenditure? Yes [No] **Please explain if no:** Prior to the emergent concerns regarding the safety of Flint's water supply, the FY2016 budget reflects the cost of supplying Flint River water.

Account No.: n/a

Pre-encumbered? Yes [No] **Requisition #** n/a

Other Implications (i.e., collective bargaining): None.

Staff Recommendation: **Approve FY2016 $2 million Use of Fund Balance budget amendment**

Staff Person: Jody N Lundquist Approval

150875

RESOLUTION NO.:_____

PRESENTED:_____

ADOPTED:_____

RESOLUTION AUTHORIZING THE CITY ADMINISTRATOR TO TAKE NECESSARY ACTION TO CONVERT TO THE DETROIT WATER SYSTEM

BY THE CITY ADMINISTRATOR:

In order to promote the health, safety and welfare of this community, it is in the best interests of the City of Flint for the Detroit Water and Sewer Department (DWSD) to supply the City with treated water pending completion of the Karegnondi Water Authority; and

In order for DWSD to supply the City with water, it will be necessary to utilize pipe owned by the Genesee County Drain Commission (GCDC); and

The City, DWSD and GCDC are actively negotiating the terms of the necessary agreements to ensure this transition occurs as soon as possible; and

IT IS RESOLVED that the City Administrator is hereby authorized to enter into agreements with DWSD and GCDC for conversion to the Detroit Water System.

APPROVED AS TO FORM:

Peter M. Bade, City Attorney

Jody N. Lundquist, Chief Financial Officer

FOR THE CITY OF FLINT:

Natasha L. Henderson, City Administrator

APPROVED BY CITY COUNCIL:

_____

S:\P. Bade\City Administrator\Resolutions\CA DWSD Authority Reso 10.12.15(pmb rev).docx

From: Muchmore, Dennis (GOV)
Sent: Thursday, October 22, 2015 9:47 AM
To: Wurfel, Sara (GOV)
Subject: RE: state money for detroit water

Push back hard on this. Natasha Henderson is becoming a liability.

From: Wurfel, Sara (GOV)
Sent: Thursday, October 22, 2015 9:35 AM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>
Cc: Murray, David (GOV) <MurrayD1@michigan.gov>
Subject: FW: state money for detroit water
Importance: High

Please see below.

No good deed goes unpunished. This looks like may be next big issue.

I thought GLWA-DWSD was NOT going to require the entire sum all up front?

From: Ronald Fonger [mailto:RFONGER1@mlive.com]
Sent: Thursday, October 22, 2015 9:28 AM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>
Subject: state money for detroit water

Sara:
I was at a City Council meeting last night when Flint City Administrator Natasha Henderson said the state has only wired Flint $2 million of the $6 million approved by the state Legislature.
She said the city has been told it will receive an additional $2 million in January and another $2 million in April.
Henderson said she's asked that the money be sent immediately because the city was required to pay Detroit the entire $12 million upfront, before the water was reconnected, and its water and sewer fund balance has dropped significantly as a result.
Several council members also spoke about this, and Council President Josh Freeman called the payment plant "beyond ridiculous" given the city's financial position.
Is there someone who can talk to us about this?
Thanks,

Ron Fonger
MLive Media Group
Reporter

mobile 810.347.9963
email rfonger1@mlive.com

address 540 S. Saginaw St. #101, Flint MI 48502

From: Wurfel, Brad (DEQ)
Sent: Monday, November 16, 2015 3:10 PM
To: Ronald Fonger
Cc: Murray, David (GOV); Wurfel, Sara (GOV); Lasher, Geralyn (DHHS); Minicuci, Angela (DHHS); Eisner, Jennifer (DHHS)
Subject: RE: nrdc/aclu lawsuit

Ron, here's the EPA link to its page on requirements for schools. I excerpted and bolded the important language. Schools that are part of a municipal supply don't have separate requirements. Those that have their own building water supply are already subject to all the SDWA requirements.

If there's a requirement for education and outreach, perhaps DHHS would know. I've included them here to loop them in.

Our folks are still looking into this, but the day is growing late. If I come up with something further, I'll share it along.

http://water.epa.gov/infrastructure/drinkingwater/schools/upload/2006_1_11_schools_lead_sqrg_lcr_schools.pdf

*"Schools and child care facilities **that have their own water supply** **and are considered non-transient, non-community water systems (NTNCWSs)** (emphasis added) are subject to the Lead and Copper Rule (LCR) requirements.*

The LCR was developed to protect public health by minimizing lead and copper levels in drinking water. The most common source of lead and copper in drinking water is corrosion of plumbing…"

From: Ronald Fonger [mailto:RFONGER1@mlive.com]
Sent: Monday, November 16, 2015 12:23 PM
To: Wurfel, Brad (DEQ)
Subject: nrdc/aclu lawsuit

Brad:
I've asked Dave Murray for a comment on the notice of intent to sue that was filed this morning by the ACLU/NRDC, naming officials from the state and city as potential defendants.
Separate from the story about the potential legal action, I'm following up on an allegation that's specific to the DEQ on page 14.
The notice says the SDWA requires each state to establish a program "to assist" schools and day care centers in "testing for, and remedying, lead contamination in drinking water."
The notice says test results must be made available at schools, with notification to parents and teachers.
It says Michigan does not maintain such a program, which is in violation of SDWA's schools provision.
Can you or someone from the department talk to me about this claim?
Thanks,

Ron Fonger
MLive Media Group
Reporter

mobile [redacted]
email rfonger1@mlive.com
address 540 S. Saginaw St. #101, Flint MI 48502

From: Eisner, Jennifer (DHHS)
Sent: Friday, November 20, 2015 10:22 AM
To: Murray, David (GOV); Wurfel, Sara (GOV); Minicuci, Angela (DHHS); Lasher, Geralyn (DHHS)
Subject: RE: Flint blood level data

No problem. We're holding until Monday.

Jennifer Eisner
Public Information Officer
Michigan Department of Health and Human Services
Office: 517-241-2112 or EisnerJ@michigan.gov
[redacted]

From: Murray, David (GOV)
Sent: Friday, November 20, 2015 10:02 AM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>; Minicuci, Angela (DHHS) <MinicuciA@michigan.gov>; Lasher, Geralyn (DHHS) <lasherg@michigan.gov>
Subject: RE: Flint blood level data

Jim Redford said legal team also needs to review the release and supporting documents.

From: Wurfel, Sara (GOV)
Sent: Friday, November 20, 2015 10:01 AM
To: Murray, David (GOV) <MurrayD1@michigan.gov>
Subject: Re: Flint blood level data

Talked with Gov about this briefly. He def indicated preference waiting until early next week to ensure best messaging and outreach.

They took this long - let's get this right.

Sent from my iPhone

On Nov 20, 2015, at 9:41 AM, Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov> wrote:

> We're talking to the director to and will give you a call soon.
>
> Jennifer
>
> **From:** Murray, David (GOV)
> **Sent:** Friday, November 20, 2015 9:34:35 AM
> **To:** Eisner, Jennifer (DHHS); Wurfel, Sara (GOV); Brown, Jessica (GOV); Kennedy, Jordan (GOV); Heaton, Anna (GOV); Biehl, Laura (GOV); Agen, Jarrod (GOV)
> **Cc:** Wurfel, Brad (DEQ); Tommasulo, Karen (DEQ); Lasher, Geralyn (DHHS); Minicuci, Angela (DHHS); Hertel, Elizabeth (DHHS)
> **Subject:** RE: Flint blood level data

I don't think this should happen today at all. Governor is at an important event in Southeast Michigan this morning, and I think we need some direction from him and others on this issue.

From: Eisner, Jennifer (DHHS)
Sent: Friday, November 20, 2015 9:30 AM
To: Murray, David (GOV) <MurrayD1@michigan.gov>; Wurfel, Sara (GOV) <WurfelS@michigan.gov>; Brown, Jessica (GOV) <BrownJ53@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Heaton, Anna (GOV) <HeatonA@michigan.gov>; Biehl, Laura (GOV) <BiehlL@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>
Cc: Wurfel, Brad (DEQ) <WurfelB@michigan.gov>; Tommasulo, Karen (DEQ) <TommasuloK@michigan.gov>; Lasher, Geralyn (DHHS) <lasherg@michigan.gov>; Minicuci, Angela (DHHS) <MinicuciA@michigan.gov>; Hertel, Elizabeth (DHHS) <HertelE@michigan.gov>
Subject: Re: Flint blood level data

Thanks Dave. We're talking with population health now and will send around an updated version as soon as possible.

Will be in touch as soon re: timeline but the notifications are not happening right at 9:30.

Best,
Jennifer

From: Murray, David (GOV)
Sent: Thursday, November 19, 2015 6:24:48 PM
To: Eisner, Jennifer (DHHS); Wurfel, Sara (GOV); Brown, Jessica (GOV); Kennedy, Jordan (GOV); Heaton, Anna (GOV); Biehl, Laura (GOV); Agen, Jarrod (GOV)
Cc: Wurfel, Brad (DEQ); Tommasulo, Karen (DEQ); Lasher, Geralyn (DHHS); Minicuci, Angela (DHHS)
Subject: Flint blood level data

Good evening, MDHHS friends,

Here are suggested changes to the press release. I think it's vitally important to have our "people first" approach, and be very up front about the results. I also think it's important to show up high what we will do with this data. Please consider the changes. I also think it's worth a conversation about whether we want to release this on a Friday morning. This is a challenging situation to be sure, but I think these results are fairly encouraging considering some of the heated rhetoric on this issue.

Thank you,

Dave

FOR IMMEDIATE RELEASE CONTACT: Jennifer Eisner
DRAFT
(517) 241-2112

MDHHS releases October data outlining blood lead levels in Flint

Results show 24 of 963 people tested had elevated levels

LANSING, Mich. – Blood lead level testing results released today revealed that 24 of 963 adults and children tested in Flint in October had elevated levels, according to the Michigan Department of Health and Human Services.

MDHHS is working closely with the Genesee County Health Department to reach out to families testing with higher levels and help them reduce their exposure to lead sources.

Information was gathered from tests administered citywide to 963 children and adults between October 1 and October 30. Eighteen people age 17 or younger had elevated blood lead levels. Six adults over the age 18 were identified with elevated blood lead levels.

The report is intended to inform residents about blood lead level testing efforts in Flint and provide cumulative total numbers.

"Our goal is to help families reduce their exposure to lead sources," said Dr. Eden Wells, chief medical executive with the MDHHS. "We have made progress in testing and identifying those with elevated blood lead levels, and the department will continue to work closely with county health department to reach these families. We will update these numbers on a regular basis and remain diligent in our ongoing outreach and education."

The data in the report include the total number of tests conducted and the total number of elevated blood lead levels greater than 5 micrograms per deciliter, and captures both capillary and venous blood tests. People who have had multiple tests are counted only once. The full report is posted online at www.michigan.gov/flintwater and will be updated as more data becomes available.

The testing is part of the state's action plan to address health concerns related to Flint's water infrastructure.

Last month, MDHHS collaborated with the county health department and local partners to distribute educational resources and informational letter to Flint parents regarding lead testing. GCHD nursing staff are conducting direct outreach to families when an elevated blood lead level has been detected, serving as an important resources by addressing questions and concerns, providing information, and meeting them in their home environment.

MDHHS continues to provide free water filters and replacement cartridges to Flint residents at four locations including the MDHHS Flint offices and the Genesee County Community Action Resource Department. For a full list of locations and hours of distribution, visit www.michigan.gov/flintwater.

To help residents properly install water filters, and to demonstrate how to replace the original when it expires, MDHHS has created an instructional on the MDHHS YouTube channel. For additional updates on Flint water including updates on blood lead levels and testing results, visit www.michigan.gov/flintwater.

# # #

From: Eisner, Jennifer (DHHS)
Sent: Thursday, November 19, 2015 3:07 PM
To: Wurfel, Sara (GOV) <WurfelS@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>; Brown, Jessica (GOV) <BrownJ53@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>
Cc: Wurfel, Brad (DEQ) <WurfelB@michigan.gov>; Tommasulo, Karen (DEQ) <TommasuloK@michigan.gov>; Lasher, Geralyn (DHHS) <lasherg@michigan.gov>; Minicuci, Angela (DHHS) <MinicuciA@michigan.gov>
Subject: Flint EBL Data

Good afternoon:

Attached, please find the blood lead level test results for Flint zip codes 48501-48507, as well as a corresponding press release and talking points. With your approval and edits, we are planning to notify external partners tomorrow at 9:30 a.m. then post the report on www.michigan.gov/flintwater and issue the press release at 10 a.m.

Please let us know if you have any questions or concerns.

Thanks and best,

Jennifer Eisner
Public Information Officer
Michigan Department of Health and Human Services
Office: 517-241-2112 or EisnerJ@michigan.gov
[redacted]

From: Workman, Wayne (TREASURY)
Sent: Monday, April 27, 2015 6:20 PM
To: Muchmore, Dennis (GOV)
Cc: Saxton, Thomas (Treasury); Clement, Elizabeth (GOV); Wurfel, Sara (GOV); Baird, Richard (GOV); Gelisse, Ashley (TREASURY); Storberg, Ann Marie (TREASURY); Koryzno, Edward (Treasury); Headen, Frederick (Treasury)
Subject: Re: scanned doc

It cannot help anything

Sent from my iPhone

On Apr 27, 2015, at 5:44 PM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:

> Would someone please explain to me how cutting off water to 10,000 people does anything but bring the wrath of God down on all of us?
>
> Sent from my iPhone
>
> On Apr 27, 2015, at 10:29 AM, Workman, Wayne (TREASURY) <WorkmanW@michigan.gov> wrote:
>
> > We received this letter Friday the 24th. Water shut-off threat continues.
> >
> > **From:** Dempkowski, Angela (Treasury)
> > **Sent:** Monday, April 27, 2015 10:26 AM
> > **To:** Workman, Wayne (TREASURY)
> > **Subject:** scanned doc
> >
> >
> > <image001.jpg> Angela Dempkowski | Senior Executive Management Assistant/Treasury
> > State of Michigan | 430 W. Allegan Street, 1st Floor | Lansing, MI 48922
> > (517) 373-4415 | (517) 373-0633 (fax)
> > dempkowskia@michigan.gov
> >
> > Think Green! Don't print this e-mail unless you need to.
> >
> >
> >
> > *CONFIDENTIALITY NOTICE: This e-mail, and any attachments, is for the sole use of the intended recipient(s) and may contain information that is confidential and protected from disclosure under the law. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail, and delete/destroy all copies of the original message and attachments.*
> > *Thank you*
> >
> >
> > <DWSD-HP letter.pdf>

From: Danziger, Rona <rona.danziger@cbsradio.com>
Sent: Thursday, October 08, 2015 12:19 PM
To: Wurfel, Sara (GOV); Biehl, Laura (GOV)
Cc: Huber, Zahra; Davidek, Robert P; Mundie, Robert R
Subject: Looking for comment
Attachments: Prof Marc Edwards uncut 10-8-2015.mp3

WWJ's Zahra Huber spoke with Professor Marc Edwards from Virginia Tech regarding his thoughts on the Flint Water situation as the lead researcher on the project and he had very harsh words about how the Flint Water situation had been handled. He said federal laws had been broken when the switch was made away from the Detroit River to the Flint River and that data was manipulated to show that Flint water was safe when it was not. Can we get a comment from the Governor on this interview? I've attached the audio, uncut, for you to listen to for comment.

Let us know. Thanks!

Rona Danziger
Senior Managing Editor |WWJ Newsradio 950|Michigan News Network
Direct: 248-327-2820| [redacted] Newsroom: 248-948-9950
26455 American Drive | Southfield, MI 48034
Rona.danziger@cbsradio.com
www.cbsdetroit.com

LEGAL NOTICE: This email may be considered an advertising or promotional message.

If you no longer wish to receive commercial email from this Station, please reply to this email by sending a reply email by clicking on the "reply" button at the top of this page or by sending an email to rona.danziger@cbsradio.com insert this message into the reply email. "Please remove me from your commercial email list." You must use this method to notify WWJ of your opt-out request, as we cannot guarantee that other methods of notification will be effective. Please be aware that we may continue to contact you via email for administrative or informational purposes, including follow-up messages regarding contests you have entered or other transactions you have undertaken. By law, such messages are not considered to be commercial email.

From: Danziger, Rona <rona.danziger@cbsradio.com>
Sent: Thursday, October 08, 2015 3:16 PM
To: Wurfel, Sara (GOV); Biehl, Laura (GOV)
Cc: Huber, Zahra; Davidek, Robert P; Mundie, Robert R
Subject: RE: Looking for comment

OK. Thanks.

From: Wurfel, Sara (GOV) [mailto:Wurfels@michigan.gov]
Sent: Thursday, October 08, 2015 1:56 PM
To: Danziger, Rona; Biehl, Laura (GOV)
Cc: Huber, Zahra; Davidek, Robert P; Mundie, Robert R
Subject: RE: Looking for comment

Greetings, Rona --

Just got back from Flint. Various versions of this Q came up during today's presser. I would recommend you take a listen.
http://www.michigan.gov/snyder/0,4668,7-277-60112-268720--,00.html

State was following all nationally set standards and protocols for testing, and has some of the most dedicated and professional drinking water and public health experts in the country working off the best information available at the time. We have acted quickly and took detailed concrete actions steps as new information and data came in.

From: Danziger, Rona [mailto:rona.danziger@cbsradio.com]
Sent: Thursday, October 08, 2015 12:19 PM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Biehl, Laura (GOV) <BiehlL@michigan.gov>
Cc: Huber, Zahra <zahra.huber@cbsradio.com>; Davidek, Robert P <rpdavidek@cbs.com>; Mundie, Robert R <rrmundie@cbs.com>
Subject: Looking for comment

WWJ's Zahra Huber spoke with Professor Marc Edwards from Virginia Tech regarding his thoughts on the Flint Water situation as the lead researcher on the project and he had very harsh words about how the Flint Water situation had been handled. He said federal laws had been broken when the switch was made away from the Detroit River to the Flint River and that data was manipulated to show that Flint water was safe when it was not. Can we get a comment from the Governor on this interview? I've attached the audio, uncut, for you to listen to for comment.

Let us know. Thanks!

Rona Danziger
Senior Managing Editor |WWJ Newsradio 950|Michigan News Network
Direct: 248-827-2820|C [redacted] Newsroom: 248-945-9950
26455 American Drive | Southfield, MI 48034
Rona.danziger@cbsradio.com
www.cbsdetroit.com

LEGAL NOTICE: This email may be considered an advertising or promotional message.

If you no longer wish to receive commercial email from this Station, please reply to this email by sending a reply email by clicking on the "reply" button at the top of this page or by sending an email to rona.danziger@cbsradio.com insert this message into the reply email: "Please remove me from your commercial email list." You must use this method to notify WWJ of your opt-out request, as we cannot guarantee that other methods of notification will be effective. Please be aware that we

may continue to contact you via email for administrative or informational purposes, including follow-up messages regarding contracts you have entered or other transactions you have undertaken. By law, such messages are not considered to be commercial email.

From: Arthur Delaney <arthur@huffingtonpost.com>
Sent: Monday, November 16, 2015 9:15 AM
To: Wurfel, Sara (GOV)
Subject: Fwd: Residents of Flint, Michigan, to Sue City, State over Lead in Drinking Water

Hi, I am filing a short story on this lawsuit -- please let me know if the governor's office would care to comment.

---------- Forwarded message ----------
From: **Margie Kelly** <mkelly@nrdc.org>
Date: Mon, Nov 16, 2015 at 9:00 AM
Subject: Residents of Flint, Michigan, to Sue City, State over Lead in Drinking Water
To: jason.cherkis@huffingtonpost.com

FOR IMMEDIATE RELEASE

Contacts: Margie Kelly, NRDC, mkelly@nrdc.org, 312-651-7935; Darrell Dawsey, ACLU of Michigan, ddawsey@aclumich.org, 313-578-6831

Residents of Flint, Michigan, to Sue City, State over Lead in Drinking Water

Natural Resources Defense Council, ACLU of Michigan Start Legal Process to Stop Ongoing Violations of the Safe Drinking Water Act

CHICAGO (November 16, 2015) – Residents of Flint, Mich., together with the ACLU of Michigan and the Natural Resources Defense Council, today announced their intention to sue state and city officials for ongoing violations of the federal Safe Drinking Water Act amid the city's widespread lead-contamination crisis. A lawsuit would force officials to address repeated, systemic failures to follow federal rules designed to protect the public health from dangerous levels of lead exposure.

"The community of Flint is strong and united in our commitment to repair the harm lead exposure has inflicted on our children and families. We are taking a stand so that our community can heal the damage that has been done and work together so that justice can prevail," said Pastor Allen Overton, a leader of the Concerned Pastors for Social Action.

"This action is about holding the government accountable for failing to protect the public health of an entire community," said Anjali Waikar, an environmental justice staff attorney at the Natural Resources Defense Council. "This case also highlights a troubling trend in which the government is willing to cut costs at the expense of its most vulnerable citizens," Waikar said.

"In their short-sighted effort to save a buck, the leaders who were supposed to be protecting Flint's citizens instead left them exposed to dangerously high levels of lead contamination," said Michael Steinberg, legal director for the ACLU of Michigan. "Not only were the city and state's actions dangerous and misguided. They were illegal, too."

Dangerous amounts of lead leached out of the city's pipes and into the drinking water of Flint's homes and schools for more than a year following a decision by Flint officials to eschew Detroit's water supply in favor of using the Flint River as the City's primary drinking water source. Not long after the switch, residents began to complain about the smell and discoloration of the water and, later, physical ailments stemming from the tainted water.

Officials working on behalf of Flint insisted for several months that the water was safe. However, water tests conducted by experts from Virginia Tech proved those assurances to be wrong, and a study by a local pediatrician that showed that the

proportion of Flint kids with elevated blood lead levels had doubled since the City switched water sources. After officials could no longer deny that the community's drinking water was contaminated, Michigan Gov. Rick Snyder finally conceded that Flint should stop using the river water and return to the Detroit water system.

Despite this move, though, city and state officials have continued to violate federal legal requirements for monitoring and sampling tap water for lead, notifying the public about water-testing results and maintaining corrosion control from Flint's lead pipes.

"So much irreparable harm has been done as a direct result of the failures and lack of oversight perpetrated by the City of Flint and Michigan officials who are the very people we relied on to keep us safe. This lawsuit gives me hope that this will stop and no other city will have to endure the physical, property, and emotional damage that Flint residents have," said Melissa Mays of Water You Fighting For, a Flint-based organization.

There is no safe level of lead exposure. The toxic effects of lead on virtually every system in the body, and particularly on the developing brains of young children, are well documented. It can also contribute to high blood pressure and other health problems in adults. Even low levels of lead in the blood have been shown to affect IQ, ability to pay attention, and academic achievement, effects that are irreversible.

The Notice of Intent to Sue was served on behalf of Concerned Pastors for Social Action, an association of religious leaders from Flint; Melissa Mays, a Flint resident; the ACLU of Michigan; and the Natural Resources Defense Council. The groups assert that since April 2014, the City of Flint and Michigan state officials have failed to monitor and control for lead in Flint's drinking water and maintain a program to assist Michigan schools with lead testing and remediation, in violation of the federal Safe Drinking Water Act. If City of Flint and Michigan state officials – including Governor Rick Snyder and Dan Wyant, Director of Michigan Department of Environmental Quality - do not remedy violations under the Safe Drinking Water Act within sixty days, the groups intend to file a lawsuit in federal court.

Flint and state officials have known since 2011 that choosing the Flint River as a drinking water source could result in lead contamination issues, due to its highly corrosive properties. Yet state and city officials insisted that the water was safe to drink - even after testing found dangerously high lead levels in some residents' tap water. Citizen concerns about high lead levels were dismissed by state and city officials as "near hysteri[cal]" and "irresponsible," despite well-established evidence that there is no safe level of lead exposure, and that even low levels of lead in the blood have been shown to affect IQ, ability to pay attention, and academic achievement, effects that are irreversible.

The Notice of Intent to Sue is required under the Safe Drinking Water Act as a prerequisite to filing suit.

###

For nearly 100 years, the ACLU has been our nation's guardian of liberty, working in courts, legislatures, and communities to defend and preserve the individual rights and liberties that the Constitution and the laws of the United States guarantee everyone in this country. The ACLU of Michigan was officially established in 1959 as part of that mission.

The Natural Resources Defense Council (NRDC) is an international nonprofit environmental organization with more than 2 million members and online activists. Since 1970, our lawyers, scientists, and other environmental specialists have worked to protect the world's natural resources, public health, and the environment. NRDC has offices in New York City, Washington, D.C., Los Angeles, San Francisco, Chicago, Bozeman, MT, and Beijing. Visit us atwww.nrdc.org and follow us on Twitter @NRDC.

If you would rather not receive future communications from Natural Resources Defense Council, let us know by clicking here.
Natural Resources Defense Council, 40 West 20th Street 11th Floor, New York, NY 10011 United States

--
Reporter | Huffington Post
(202) 624-9396 desk | [redacted]
Twitter @ArthurDelaneyHP

From: Murray, David (GOV)
Sent: Monday, November 16, 2015 1:10 PM
To: 'Ronald Fonger'
Cc: Wurfel, Sara (GOV)
Subject: RE: seeking comment on lawsuits concerning Flint water

Hello Ron, Sara will get back to you.

From: Ronald Fonger [mailto:RFONGER1@mlive.com]
Sent: Monday, November 16, 2015 9:26 AM
To: Murray, David (GOV) <MurrayD1@michigan.gov>
Subject: seeking comment on lawsuits concerning Flint water

Dave:
I'm covering a news conference at 11 a.m. concerning a federal lawsuit filed by Melissa Mays and others concerning Flint water.
The lawsuit names city and state officials, including the governor.
Here is a link to that lawsuit.
We are seeking your comment.
http://pittlawpc.com/wp-content/uploads/2015/11/Mays-vs.-Snyder-et-al.-Complaint-and-Jury-Demand-Final-1.pdf

I've also attached an intent to sue notice from the ACLU and NDRC, which is also concerning Flint water and which also names governor and other state officials.
Seeking your comment on that as well.
Thanks,

Ron Fonger
MLive Media Group
Reporter

mobile [redacted]
email rfonger1@mlive.com
address 540 S. Saginaw St. #101, Flint MI 48502

From: Arthur Delaney <arthur@huffingtonpost.com>
Sent: Monday, November 16, 2015 3:07 PM
To: Wurfel, Sara (GOV)
Subject: Re: Residents of Flint, Michigan, to Sue City, State over Lead in Drinking Water

Thanks

On Monday, November 16, 2015, Wurfel, Sara (GOV) <Wurfels@michigan.gov> wrote:

Greetings, Arthur –

Sorry for the delay. It's been a bit more crazy busy than normal.

On this lawsuit, we haven't been served yet so can't comment on specific details. What would say is that we're focused on moving forward and ensuring public health and clean, safe drinking water. The governor has outlined a detailed multiple step action plan for both immediate, mid and long term. He has also appointed a task force doing a very important job of reviewing all past actions. They are a bipartisan group of people of the highest integrity, experts in their fields and widely respected who are going to do a very thorough, objective review.

Just let me know if anything more needed at all.

Thanks and best,

SW

Sara Wurfel, APR

Press Secretary | Executive Office of Governor Rick Snyder

wurfels@michigan.gov

517-335-6397, office

[redacted]

Twitter:@SaraLW

From: Arthur Delaney [mailto:arthur@huffingtonpost.com]
Sent: Monday, November 16, 2015 9:15 AM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>
Subject: Fwd: Residents of Flint, Michigan, to Sue City, State over Lead in Drinking Water

Hi, I am filing a short story on this lawsuit -- please let me know if the governor's office would care to comment.

---------- Forwarded message ----------
From: **Margie Kelly** <mkelly@nrdc.org>
Date: Mon, Nov 16, 2015 at 9:00 AM
Subject: Residents of Flint, Michigan, to Sue City, State over Lead in Drinking Water
To: jason.cherkis@huffingtonpost.com

FOR IMMEDIATE RELEASE

Contacts: Margie Kelly, NRDC, mkelly@nrdc.org, 312-651-7935; Darrell Dawsey, ACLU of Michigan, ddawsey@aclumich.org, 313-578-6831

Residents of Flint, Michigan, to Sue City, State over Lead in Drinking Water

Natural Resources Defense Council, ACLU of Michigan Start Legal Process to Stop Ongoing Violations of the Safe Drinking Water Act

CHICAGO (November 16, 2015) – Residents of Flint, Mich., together with the ACLU of Michigan and the Natural Resources Defense Council, today announced their intention to sue state and city officials for ongoing violations of the federal Safe Drinking Water Act amid the city's widespread lead-contamination crisis. A lawsuit would force officials to address repeated, systemic failures to follow federal rules designed to protect the public health from dangerous levels of lead exposure.

"The community of Flint is strong and united in our commitment to repair the harm lead exposure has inflicted on our children and families. We are taking a stand so that our community can heal the damage that has been done and work together so that justice can prevail," said Pastor Allen Overton, a leader of the Concerned Pastors for Social Action.

"This action is about holding the government accountable for failing to protect the public health of an entire community," said Anjali Waikar, an environmental justice staff attorney at the Natural Resources Defense Council. "This case also highlights a troubling trend in which the government is willing to cut costs at the expense of its most vulnerable citizens," Waikar said.

"In their short-sighted effort to save a buck, the leaders who were supposed to be protecting Flint's citizens instead left them exposed to dangerously high levels of lead contamination," said Michael Steinberg, legal director for the ACLU of Michigan. "Not only were the city and state's actions dangerous and misguided. They were illegal, too."

Dangerous amounts of lead leached out of the city's pipes and into the drinking water of Flint's homes and schools for more than a year following a decision by Flint officials to eschew Detroit's water supply in favor of using the Flint River as the City's primary drinking water source. Not long after the switch, residents began to complain about the smell and discoloration of the water and, later, physical ailments stemming from the tainted water.

Officials working on behalf of Flint insisted for several months that the water was safe. However, water tests conducted by experts from Virginia Tech proved those assurances to be wrong, and a study by a local pediatrician that showed that the proportion of Flint kids with elevated blood lead levels had doubled since the City switched water sources. After officials could no longer deny that the community's drinking water was contaminated, Michigan Gov. Rick Snyder finally conceded that Flint should stop using the river water and return to the Detroit water system.

Despite this move, though, city and state officials have continued to violate federal legal requirements for monitoring and sampling tap water for lead, notifying the public about water-testing results and maintaining corrosion control from Flint's lead pipes.

"So much irreparable harm has been done as a direct result of the failures and lack of oversight perpetrated by the City of Flint and Michigan officials who are the very people we relied on to keep us safe. This lawsuit gives me hope that this will stop and no other city will have to endure the physical, property, and emotional damage that Flint residents have," said Melissa Mays of Water You Fighting For, a Flint-based organization.

There is no safe level of lead exposure. The toxic effects of lead on virtually every system in the body, and particularly on the developing brains of young children, are well documented. It can also contribute to high blood pressure and other health problems in adults. Even low levels of lead in the blood have been shown to affect IQ, ability to pay attention, and academic achievement, effects that are irreversible.

The Notice of Intent to Sue was served on behalf of Concerned Pastors for Social Action, an association of religious leaders from Flint; Melissa Mays, a Flint resident; the ACLU of Michigan; and the Natural Resources Defense Council. The groups assert that since April 2014, the City of Flint and Michigan state officials have failed to monitor and control for lead in Flint's drinking water and maintain a program to assist Michigan schools with lead testing and remediation, in violation of the federal Safe Drinking Water Act. If City of Flint and Michigan state officials – including Governor Rick Snyder and Dan Wyant, Director of Michigan Department of Environmental Quality - do not remedy violations under the Safe Drinking Water Act within sixty days, the groups intend to file a lawsuit in federal court.

Flint and state officials have known since 2011 that choosing the Flint River as a drinking water source could result in lead contamination issues, due to its highly corrosive properties. Yet state and city officials insisted that the water was safe to drink - even after testing found dangerously high lead levels in some residents' tap water. Citizen concerns about high lead levels were dismissed by state and city officials as "near hysteri[cal]" and "irresponsible," despite well-established evidence that there is no safe level of lead exposure, and that even low levels of lead in the blood have been shown to affect IQ, ability to pay attention, and academic achievement, effects that are irreversible.

The Notice of Intent to Sue is required under the Safe Drinking Water Act as a prerequisite to filing suit.

###

For nearly 100 years, the ACLU has been our nation's guardian of liberty, working in courts, legislatures, and communities to defend and preserve the individual rights and liberties that the Constitution and the laws of the United States guarantee everyone in this country. The ACLU of Michigan was officially established in 1959 as part of that mission.

The Natural Resources Defense Council (NRDC) is an international nonprofit environmental organization with more than 2 million members and online activists. Since 1970, our lawyers, scientists, and other environmental specialists have worked to protect the world's natural resources, public health, and the environment. NRDC has offices in New York City, Washington, D.C., Los Angeles, San Francisco, Chicago, Bozeman, MT, and Beijing. Visit us at www.nrdc.org and follow us on Twitter @NRDC.

If you would rather not receive future communications from Natural Resources Defense Council, let us know by clicking here.
Natural Resources Defense Council, 40 West 20th Street 11th Floor, New York, NY 10011 United States

--

Reporter | Huffington Post

(202) 624-9396 desk | [redacted]

Twitter @ArthurDelaneyHP

--
Reporter | Huffington Post
(202) 624-9396 desk | [redacted]
Twitter @ArthurDelaneyHP

From: Murray, David (GOV)
Sent: Monday, November 09, 2015 3:49 PM
To: Wurfel, Sara (GOV)
Subject: Re: Flint water school testing results - TODAY

Will do. I know they were planning something but didn't realize it was happening today.

Sent from my iPhone

On Nov 9, 2015, at 3:47 PM, Wurfel, Sara (GOV) <Wurfels@michigan.gov> wrote:

> Dave – you'll want to make sure governor is aware of this too given today's timing just in case. These are kinds of things we need and want to make sure he and senior staff have a heads up on.
>
> **From:** Wurfel, Sara (GOV)
> **Sent:** Monday, November 09, 2015 3:47 PM
> **To:** Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>
> **Cc:** Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>; Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>; Scott, Allison (GOV) <scotta12@michigan.gov>
> **Subject:** FW: Flint water school testing results - TODAY
> **Importance:** High
>
> Please see below and attached release per brief convo at senior staff. Sill no exact word on timing of blood lead level data from DHHS – hopefully by late this week.
>
> DEQ also has video that they'll be using for some footage of the testing with TV stations. Link here: https://youtu.be/Amy4cDW7RtA
>
> # Freeman Elementary water testing shows lead exposure limited to fixtures
> *Experts release water testing results on schools and homes in Flint*
>
> As part of Gov. Rick Snyder's action plan for Flint drinking water, the DEQ today released water testing data from nearly 400 homes and businesses in Flint as well as comprehensive sampling results from Freeman Elementary School.
>
> Both sets of data indicate the problems with lead are localized to individual buildings or even individual faucets, rather than system-wide issues.
>
> "The results from this data underline the need for water testing at all homes, businesses, schools and other buildings in Flint," said George Krisztian, the DEQ's Flint Action Plan Coordinator. "Problems with lead exposure appear to be localized to individual service lines or plumbing fixtures, and we want to see all families in Flint take advantage of free water testing from the state."

Freeman Elementary testing results
At Freeman Elementary, 31 faucets were tested using a series of four samples each. Twenty-two outlets did not show elevated lead exposure, but nine faucets came back with initially high results.

Those nine outlets involve brass components, indicating the problem involves the fixtures or plumbing immediately surrounding the fixture. When the faucets and fountains were operated for several minutes, lead levels fell significantly, in some cases to non-detectable levels.

Additional testing designed to look deep into the school's plumbing did not suggest larger, systemic issues.

Freeman Elementary has several options for remedying the issues at these nine faucets and fountains. The school can elect not to use those particular fountains, or implement a formalized flushing regimen. The sampling results indicate that for all but one tap, a 3- to 4-minute flushing period each morning would drastically reduce lead exposure.

For a permanent solution, the school should opt to replace the faucets and fountains of concern.

"The safety and health of our students are our primary concern at Flint Community Schools, so we will start work as soon as possible to replace faucets, aerators and other related components where high lead levels were detected," FCS Superintendent Bilal Tawwab said. "Once those fixes have been made, the DEQ has offered to provide additional testing of the water at Freeman Elementary to ensure the water from every sample is safe for our students. Flint Community Schools appreciates the efforts by the DEQ, working with all stakeholders to make sure our water continues to be tested and that our students have access to safe, clean drinking water."

For Freeman Elementary's complete sampling results and more information about how sampling was conducted, visit www.michigan.gov/flintwater.

The DEQ and the DLARA also have conducted sampling at other Flint schools, and results will soon be available on the DEQ's website. Additionally, the state will test every other school in the Flint Community Schools district, as well as any school or daycare in the city. Interested schools and daycare centers should contact George Krisztian at krisztiang@michigan.gov.

Homeowner and other customer-requested testing results
Results from the 381 samples from homes, businesses, schools and other facilities that took advantage of free water testing through the state showed similar, localized results. More than 75 percent of the samples analyzed demonstrated lead results of 5 parts per billion or less, and more than 91 percent demonstrated lead results of 15 parts per billion or less.

This data suggests that while some homes experience elevated lead level results due to lead service lines or in-home plumbing, many other homes experience little to no lead. This can make it difficult for homeowners and businesses to predict their lead exposure.

"Since it's not easy to predict if an individual home's water is at risk for lead, the best thing all residents can do is get their water tested," Krisztian said. "It's a free test that provides valuable information for families."

Testing is available for free by contacting the Flint Water Plant at 810-787-6537 and pressing 1, or by emailing flintwater@cityofflint.com.

For more information about water samples received through the state's free testing program, visit www.michigan.gov/flintwater.

How school sampling was conducted
To conduct this comprehensive sampling, the DEQ and Michigan Department of Licensing and Regulatory Affairs began on Oct. 23 with a thorough plumbing assessment of the school to gain a comprehensive understanding of how water moves through the building and what types of plumbing materials are used. The assessment also identified 31 faucets or fountains in the school that provide water for drinking, cooking and/or food preparation.

On Oct. 24, the DEQ and DLARA took four, 125-milliliter samples from each of the 31 identified faucets and fountains. The first two samples were taken immediately after turning on the faucet, followed by a 30-second flush and then the third sample, followed by a 2-minute flush and then the fourth sample. These samples provided information on the impact of any lead sources in or around each specific faucet and fountain as well as its connecting plumbing.

On Oct. 31, the DEQ and DLARA took an additional 30 samples, 10 each from three sites in the school. These 1-liter samples were taken consecutively, and provided information about the impact of any lead sources deep in the building's plumbing.

From: Brown, Jessica (GOV)
Sent: Monday, November 09, 2015 2:44 PM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>
Cc: Agen, Jarrod (GOV) <AgenJ@michigan.gov>
Subject: FW: Flint water school testing results - 3 PM

Saw Dave was on this but since he's on the road, thought you should definitely see as well. DEQ is planning to issue at 3 p.m.

This is the first I've seen a draft but Dave may have been looped in on the back end. Looks ok and pretty thorough to me. If you need help trying to track any background info down let me know. Happy to reach out.

From: Tommasulo, Karen (DEQ)
Sent: Monday, November 09, 2015 2:31 PM
To: Lasher, Geralyn (DHHS) <lasherg@michigan.gov>; Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>; Edgerton, Shelly (LARA) <EdgertonS1@michigan.gov>; Dykema, Linda D. (DHHS) <DykemaL@michigan.gov>; Wells, Eden (DHHS) <WellsE3@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>; Brown, Jessica (GOV) <BrownJ53@michigan.gov>; Wurfel, Brad (DEQ) <WurfelB@michigan.gov>; Feuerstein, Heather (DEQ) <FeuersteinH@michigan.gov>
Subject: School testing results

We're planning to put out this press release along with a video and the full results of the school and homeowner testing around 3 today. George Krisztian is taking calls.

Karen Tommasulo
Public Information Officer
Michigan Department of Environmental Quality
517-284-6716 | [redacted]
tommasulok@michigan.gov

From: Wurfel, Sara (GOV)
Sent: Tuesday, January 27, 2015 4:11 PM
To: Clayton, Stacie (GOV); Hollins, Harvey (GOV); Dick Posthumus; Beth Clement
Cc: Agen, Jarrod (GOV); Murray, David (GOV); Rospond, Laurie (GOV)
Subject: RE: Flint water issue

Thanks all.

Just asking about DEQ representation - don't know if that might be helpful given the relatively high level of involvement they have with this issue - both past and present, or if that was for a reason?

-----Original Message-----
From: Clayton, Stacie (GOV)
Sent: Tuesday, January 27, 2015 3:11 PM
To: Hollins, Harvey (GOV); Wurfel, Sara (GOV)
Cc: Agen, Jarrod (GOV); Murray, David (GOV)
Subject: RE: Flint water issue

Greetings All,

The meetings on Wednesday that Harvey referenced on Senior Staff call regarding the Flint water issue are actually being facilitated by Dick Posthumus' Office. They will be held in the Romney building as follows:

10:00am - 11:00am (Internal Meeting in the 2nd Floor Executive Conference Room) Dick Posthumus Dennis Muchmore John Walsh Beth Clement Tom Saxton Harvey Hollins

2:00pm-3:pm (Full Meeting in the Governor's Conference Room) Jerry Ambrose Mayor Walling Howard Croft, Director of the Department of Public Works Tom Saxton Dick Posthumus Dennis Muchmore Beth Clement Sen. Ananich Andy Leavitt John Walsh Harvey Hollins

-----Original Message-----
From: Hollins, Harvey (GOV)
Sent: Tuesday, January 27, 2015 2:30 PM
To: Wurfel, Sara (GOV)
Cc: Agen, Jarrod (GOV); Murray, David (GOV); Clayton, Stacie (GOV)
Subject: RE: Flint water issue

Stacie will set it up.

-----Original Message-----
From: Wurfel, Sara (GOV)
Sent: Tuesday, January 27, 2015 2:27 PM
To: Hollins, Harvey (GOV)
Cc: Agen, Jarrod (GOV); Murray, David (GOV); Clayton, Stacie (GOV)
Subject: Flint water issue

Hi there Harvey -

Just following up on this per brief conversation/mention at yesterday's senior staff meeting and Dave's voice mail to you as well.

I believe you had indicated you had a meeting on this tomorrow, yes?

We need to touch base and get all facts on this situation ASAP. Turning into unfortunate and unnecessary PR issue that we're trying to work with Treasury and DEQ to be on top of, stem, find resolution, etc.

Please call our office today to connect with Dave (as our lead on this) or myself or Jarrod if he's not available for some reason.

Thanks much,
SW

Sent from my iPad

From: Wurfel, Sara (GOV)
Sent: Tuesday, March 24, 2015 10:44 AM
To: Hollins, Harvey (GOV); Dennis Muchmore; Beth Clement
Cc: Agen, Jarrod (GOV); Murray, David (GOV)
Subject: FW: PRESS RELEASE: EM Statement on Flint's Water
Attachments: EM Statement on Water 3.24.2015.pdf; EM Letter to Treasury Regarding Water.PDF

FYI just in case.

What is latest on our involvement in this issue and coordination with Flint EM?

From: Jason Lorenz [mailto:jlorenz@cityofflint.com]
Sent: Tuesday, March 24, 2015 10:35 AM
Subject: PRESS RELEASE: EM Statement on Flint's Water

For Immediate Release

Emergency Manager Statement on Water: Spending Extra $12 Million on Detroit Water "Incomprehensible" When Flint Water Just as Safe

Flint, Michigan – March 24, 2015 – At the City Council meeting held on Monday, March 23, 2015, Flint City Council made a motion to "do all things necessary" to return to using water purchased from Detroit and discontinue use of the Flint River as a water source. The following statement from Emergency Manager Gerald Ambrose addresses that point:

"Flint water today is safe by all EPA and MDEQ standards and the City is working daily to improve its quality. Users also pay some of the highest rates in the state because of the decreased numbers of users and the age of the system.

"It is incomprehensible to me that 7 members of the Flint City Council would want to send more than $12 million a year to the system serving southeast Michigan, even if Flint rate payers could afford it. Water from Detroit is no safer than water from Flint.

"If $12 million annually were available for discretionary use, it would be far better spent reducing rates paid by Flint customers and/or modernizing the City's system."

-Gerald Ambrose,

Flint Emergency Manager

–END–

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

Jason Lorenz
Public Information Officer
(810) 237-2039
jlorenz@cityofflint.com

For Immediate Release

Emergency Manager Statement on Water: Spending Extra $12 Million on Detroit Water "Incomprehensible" When Flint Water Just as Safe

Flint, Michigan – March 24, 2015 – At the City Council meeting held on Monday, March 23, 2015, Flint City Council made a motion to "do all things necessary" to return to using water purchased from Detroit and discontinue use of the Flint River as a water source. The following statement from Emergency Manager Gerald Ambrose addresses that point:

"Flint water today is safe by all EPA and MDEQ standards and the City is working daily to improve its quality. Users also pay some of the highest rates in the state because of the decreased numbers of users and the age of the system.

"It is incomprehensible to me that 7 members of the Flint City Council would want to send more than $12 million a year to the system serving southeast Michigan, even if Flint rate payers could afford it. Water from Detroit is no safer than water from Flint.

"If $12 million annually were available for discretionary use, it would be far better spent reducing rates paid by Flint customers and/or modernizing the City's system."

-Gerald Ambrose,
Flint Emergency Manager

–END–

CITY OF FLINT

OFFICE OF THE EMERGENCY MANAGER

Gerald Ambrose
Emergency Manager

TO: Wayne Workman, Deputy Treasurer
Treasury Department
State of Michigan

FROM: Jerry Ambrose, Emergency Manager
City of Flint

DATE: March 3, 2015

As the Emergency Manager for the City of Flint, I am charged with restoring the City government to financial solvency, and working to assure that the City moves forward on a financially sustainable basis. The steps taken over the past three years have been difficult. Taxes and fees have been raised, services and workforce reduced, and ongoing costs, including legacy costs, have been constrained.

The current controversy surrounding the provision of water, and the path for resolution, has a potentially significant impact on the progress that is being made. I am satisfied that the water provided to Flint users today is within all MDEQ and EPA guidelines, as evidenced by the most recent water quality results conducted for MDEQ. We have a continuing commitment to maintain water safety and to improve water quality, and have dedicated resources to assure this commitment will be made.

The oft-repeated suggestion that the City should return to DWSD, even for a short period of time, would, in my judgment, have extremely negative financial consequences to the water system, and consequently to the rate payers. By the most conservative estimates, such a move would increase costs by at least $12 million annually, with that amount achieved only by eliminating virtually all budgeted improvements in the system. For a system with Unrestricted Assets of only $740,745, according to the June 30, 2014 audited financial statements, the only recourse within the City's control would be to increase revenues significantly. And in my judgment, that would come from raising rates for water by 30% or more . Further, changing the *source* of the city's water would not necessarily change any of the *aesthetics* of the water, including odor and discoloration, since those appear to be directly related to the aging pipes and other infrastructure that carry water from the treatment facility to our customers.

This direction of discussion also deviates from what, in my judgment, should be the focus: How can we not only operate and maintain a system to assure the delivery of safe and quality water dependably, but significantly reduce the cost of water and sewer to the users? At an average of $149 per month for water and sewer service for a residential user, the cost is extremely high in comparison to surrounding areas, as well as most areas across the state, and creates a significant financial burden for many users. In my judgment, we should all be concentrating on how to reduce rates by 50% or more. Unfortunately, there are no easy or evident answers, and continuation of the status will be an impediment to the sustainable recovery of the City of Flint. It is a conversation that I expect we will have with the recently created Water Quality Advisory Committee.

My reasoning for this conclusion is as follows:

One of the decisions made in the context of beginning to eliminate deficits and to restore financial stability to the City of Flint was to increase water and sewer rates significantly – the only choice available to financially stabilize a system that as of June 30, 2012, had a deficit of $8,758,091. Another was to leave DWDS for the KWA because it offered the opportunity to lower future rate increases. A third decision was to utilize the Flint River on an interim basis when DWSD unilaterally terminated the City's contract for water purchase. That decision was made because it also offered an immediate cost savings opportunity which translated into the ability to upgrade the Water Treatment Plant without having to seek financing. It was a reasonable decision because of our experience in using the river in a back-up capacity, including test runs on a quarterly basis for several decades.

Unfortunately, the switch to the river as a primary source was more challenging than anticipated, and the harsh winter of 2013-2014 resulted in much more damage to the aging water infrastructure than in previous years. The result was the issuance of required notices that water exceeded established guidelines for safety as it could affect certain vulnerable populations, and some users of the system experienced unpleasant odors and discoloration. Some users also appeared to have had some negative reactions to the new source of water. However, as soon as the test results were known, City staff took immediate actions to address the concerns. These actions are evidenced today by the fact that MDEQ has certified that our most recent testing shows water from all testing sites to be well within acceptable guidelines. Additionally, the City is continuing to taking the necessary actions to assure that the water supply remains safe and that water quality continues to improve.

As the City has moved to address the situation, the suggestion continues to be made that the City should re-engage with DWSD and purchase water at least until the KWA pipeline is supplying water. As evidenced by the most recent letter from DWSD, such a decision would immediately increase the City's cost by $846,700 per month, or $10,160,400 per year, just for the fixed cost portion of the price. The actual *purchase* of water would be an additional fee, and dependent upon

the quantity purchased. We estimate the actual water purchase cost to average more than $1 million per month, for a grand total of approximately $22 million per year. Finally, the DWSD offer is conditioned upon the City (or presumably the KWA) agreeing to negotiate a long term contract (30 years) for back-up.

The $22 million annual estimate of increased costs to purchase water from DWSD would be minimally offset by an approximate $3 million in reduced operating costs, and could be further offset by an additional $9 million, but only if all funding for capital improvements to the system are eliminated. To eliminate all funding dedicated to repairing, stabilizing, and improving the system would be totally irresponsible and would have long term negative consequences to the City and to future rate payers.

As you are aware we have recently brought in outside expert assistance to evaluate the steps we have taken to assure that the water is safe and to continue to improve water quality. We are expecting specific recommendations within the next few weeks, and are committed to implementing those recommendations in a timely manner. Many steps have already been taken. I am confident that implementing their recommendations will assure a continuing supply of safe water as well as improved quality, and at far less cost than re-engaging DWSD.

We have also created a 40-member Water Advisory Committee and a 13-member Technical Advisory Committee to assure two-way communication with the public and users of the system. Those committees will begin to meet this week, and we look forward to answering their questions and receiving their input.

It is unfortunate that problems and concerns with quality have arisen, and we are working every day to address the issues that caused them. Maintaining safe water and improving quality is a top priority as we work to make the City of Flint an attractive place to live, work, study, and play.

From: Wurfel, Sara (GOV)
Sent: Tuesday, March 24, 2015 11:33 AM
To: Brad Wurfel - DEQ (WurfelB@michigan.gov); Terry Stanton - Treasury
Subject: FW: PRESS RELEASE: EM Statement on Flint's Water
Attachments: EM Statement on Water 3.24.2015.pdf; EM Letter to Treasury Regarding Water.PDF

FYI

From: Jason Lorenz [mailto:jlorenz@cityofflint.com]
Sent: Tuesday, March 24, 2015 10:35 AM
Subject: PRESS RELEASE: EM Statement on Flint's Water

For Immediate Release

Emergency Manager Statement on Water: Spending Extra $12 Million on Detroit Water "Incomprehensible" When Flint Water Just as Safe

Flint, Michigan – March 24, 2015 – At the City Council meeting held on Monday, March 23, 2015, Flint City Council made a motion to "do all things necessary" to return to using water purchased from Detroit and discontinue use of the Flint River as a water source. The following statement from Emergency Manager Gerald Ambrose addresses that point:

"Flint water today is safe by all EPA and MDEQ standards and the City is working daily to improve its quality. Users also pay some of the highest rates in the state because of the decreased numbers of users and the age of the system.

"It is incomprehensible to me that 7 members of the Flint City Council would want to send more than $12 million a year to the system serving southeast Michigan, even if Flint rate payers could afford it. Water from Detroit is no safer than water from Flint.

"If $12 million annually were available for discretionary use, it would be far better spent reducing rates paid by Flint customers and/or modernizing the City's system."

-Gerald Ambrose,

Flint Emergency Manager

–END–

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

Jason Lorenz
Public Information Officer
(810) 237-2039
jlorenz@cityofflint.com

For Immediate Release

Emergency Manager Statement on Water: Spending Extra $12 Million on Detroit Water "Incomprehensible" When Flint Water Just as Safe

Flint, Michigan – March 24, 2015 – At the City Council meeting held on Monday, March 23, 2015, Flint City Council made a motion to "do all things necessary" to return to using water purchased from Detroit and discontinue use of the Flint River as a water source. The following statement from Emergency Manager Gerald Ambrose addresses that point:

"Flint water today is safe by all EPA and MDEQ standards and the City is working daily to improve its quality. Users also pay some of the highest rates in the state because of the decreased numbers of users and the age of the system.

"It is incomprehensible to me that 7 members of the Flint City Council would want to send more than $12 million a year to the system serving southeast Michigan, even if Flint rate payers could afford it. Water from Detroit is no safer than water from Flint.

"If $12 million annually were available for discretionary use, it would be far better spent reducing rates paid by Flint customers and/or modernizing the City's system."

-Gerald Ambrose,
Flint Emergency Manager

–END–

CITY OF FLINT

OFFICE OF THE EMERGENCY MANAGER

Gerald Ambrose
Emergency Manager

TO: Wayne Workman, Deputy Treasurer
Treasury Department
State of Michigan

FROM: Jerry Ambrose, Emergency Manager
City of Flint

DATE: March 3, 2015

As the Emergency Manager for the City of Flint, I am charged with restoring the City government to financial solvency, and working to assure that the City moves forward on a financially sustainable basis. The steps taken over the past three years have been difficult. Taxes and fees have been raised, services and workforce reduced, and ongoing costs, including legacy costs, have been constrained.

The current controversy surrounding the provision of water, and the path for resolution, has a potentially significant impact on the progress that is being made. I am satisfied that the water provided to Flint users today is within all MDEQ and EPA guidelines, as evidenced by the most recent water quality results conducted for MDEQ. We have a continuing commitment to maintain water safety and to improve water quality, and have dedicated resources to assure this commitment will be made.

The oft-repeated suggestion that the City should return to DWSD, even for a short period of time, would, in my judgment, have extremely negative financial consequences to the water system, and consequently to the rate payers. By the most conservative estimates, such a move would increase costs by at least $12 million annually, with that amount achieved only by eliminating virtually all budgeted improvements in the system. For a system with Unrestricted Assets of only $740,745, according to the June 30, 2014 audited financial statements, the only recourse within the City's control would be to increase revenues significantly. And in my judgment, that would come from raising rates for water by 30% or more . Further, changing the *source* of the city's water would not necessarily change any of the *aesthetics* of the water, including odor and discoloration, since those appear to be directly related to the aging pipes and other infrastructure that carry water from the treatment facility to our customers.

This direction of discussion also deviates from what, in my judgment, should be the focus: How can we not only operate and maintain a system to assure the delivery of safe and quality water dependably, but significantly reduce the cost of water and sewer to the users? At an average of $149 per month for water and sewer service for a residential user, the cost is extremely high in comparison to surrounding areas, as well as most areas across the state, and creates a significant financial burden for many users. In my judgment, we should all be concentrating on how to reduce rates by 50% or more. Unfortunately, there are no easy or evident answers, and continuation of the status will be an impediment to the sustainable recovery of the City of Flint. It is a conversation that I expect we will have with the recently created Water Quality Advisory Committee.

My reasoning for this conclusion is as follows:

One of the decisions made in the context of beginning to eliminate deficits and to restore financial stability to the City of Flint was to increase water and sewer rates significantly – the only choice available to financially stabilize a system that as of June 30, 2012, had a deficit of $8,758,091. Another was to leave DWDS for the KWA because it offered the opportunity to lower future rate increases. A third decision was to utilize the Flint River on an interim basis when DWSD unilaterally terminated the City's contract for water purchase. That decision was made because it also offered an immediate cost savings opportunity which translated into the ability to upgrade the Water Treatment Plant without having to seek financing. It was a reasonable decision because of our experience in using the river in a back-up capacity, including test runs on a quarterly basis for several decades.

Unfortunately, the switch to the river as a primary source was more challenging than anticipated, and the harsh winter of 2013-2014 resulted in much more damage to the aging water infrastructure than in previous years. The result was the issuance of required notices that water exceeded established guidelines for safety as it could affect certain vulnerable populations, and some users of the system experienced unpleasant odors and discoloration. Some users also appeared to have had some negative reactions to the new source of water. However, as soon as the test results were known, City staff took immediate actions to address the concerns. These actions are evidenced today by the fact that MDEQ has certified that our most recent testing shows water from all testing sites to be well within acceptable guidelines. Additionally, the City is continuing to taking the necessary actions to assure that the water supply remains safe and that water quality continues to improve.

As the City has moved to address the situation, the suggestion continues to be made that the City should re-engage with DWSD and purchase water at least until the KWA pipeline is supplying water. As evidenced by the most recent letter from DWSD, such a decision would immediately increase the City's cost by $846,700 per month, or $10,160,400 per year, just for the fixed cost portion of the price. The actual *purchase* of water would be an additional fee, and dependent upon

the quantity purchased. We estimate the actual water purchase cost to average more than $1 million per month, for a grand total of approximately $22 million per year. Finally, the DWSD offer is conditioned upon the City (or presumably the KWA) agreeing to negotiate a long term contract (30 years) for back-up.

The $22 million annual estimate of increased costs to purchase water from DWSD would be minimally offset by an approximate $3 million in reduced operating costs, and could be further offset by an additional $9 million, but only if all funding for capital improvements to the system are eliminated. To eliminate all funding dedicated to repairing, stabilizing, and improving the system would be totally irresponsible and would have long term negative consequences to the City and to future rate payers.

As you are aware we have recently brought in outside expert assistance to evaluate the steps we have taken to assure that the water is safe and to continue to improve water quality. We are expecting specific recommendations within the next few weeks, and are committed to implementing those recommendations in a timely manner. Many steps have already been taken. I am confident that implementing their recommendations will assure a continuing supply of safe water as well as improved quality, and at far less cost than re-engaging DWSD.

We have also created a 40-member Water Advisory Committee and a 13-member Technical Advisory Committee to assure two-way communication with the public and users of the system. Those committees will begin to meet this week, and we look forward to answering their questions and receiving their input.

It is unfortunate that problems and concerns with quality have arisen, and we are working every day to address the issues that caused them. Maintaining safe water and improving quality is a top priority as we work to make the City of Flint an attractive place to live, work, study, and play.

From: Wurfel, Sara (GOV)
Sent: Tuesday, April 28, 2015 6:15 PM
To: Murray, David (GOV)
Subject: FW: Flint Press Release

Good changes, Dave!

-----Original Message-----
From: Muchmore, Dennis (GOV)
Sent: Tuesday, April 28, 2015 4:36 PM
To: Wurfel, Sara (GOV); Agen, Jarrod (GOV)
Cc: Wisniewski, Wendy (GOV); Clement, Elizabeth (GOV); Khouri, Nick (TREASURY); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY); Stanton, Terry A. (Treasury)
Subject: Flint Press Release

Very nicely done on the press release on Flint.

From: Wurfel, Sara (GOV)
Sent: Monday, September 28, 2015 5:52 PM
To: Dennis Muchmore; Beth Clement; Agen, Jarrod (GOV); Hollins, Harvey (GOV); Mcbride, Bill (GOV)
Cc: Murray, David (GOV); Wendy Wisniewski
Subject: FW: Flint Water Issue - Rep. Kildee Letter Received By Federal Agencies
Attachments: 09-22-15 Kildee Requesting Temporary Assistance for Lead in Flint Water.pdf; Flint Pediatric Lead Concerns REVISED.PDF

Importance: High

Please see attached and below just in case … sounds like we should have follow up conversation with MSP team and make sure we're coordinating with DEQ, DHHS and Treasury.

From: Kelenske, Chris (MSP)
Sent: Monday, September 28, 2015 5:49 PM
To: Etue, Kriste (MSP) <EtueK@michigan.gov>; Gorski, Gary (MSP) <GorskiG@michigan.gov>; Smith, Paul (GOV) <SmithP29@michigan.gov>
Cc: Katarsky, Anthony (MSP) <KatarskyA@michigan.gov>; Leix, Ron (MSP) <LeixR@michigan.gov>; Banner, Shanon (MSP) <BannerS@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>
Subject: Flint Water Issue - Rep. Kildee Letter Received By Federal Agencies
Importance: High

Attached are two documents for your information: 1) A letter from US Representative Kildee to Craig Fugate of FEMA, HHS, EPA, and CDC and 2) a PowerPoint on Flint water concerns. Essentially, Representative Kildee is requesting FEMA take action to resolve potable water quality issues associated with the Flint water system.

This is the first we heard of the letter and I actually found out from the FEMA Region V Director when he called me about an hour ago. He and I discussed a few things on this and he will respond advising they need to work through the local EM system in MI (engaging the local EM and then EMHSD). They also are working through the local health department as I confirmed with Dr. Scott from DHHS. If Flint needs water or want water the first step is to handle it locally (at least on the EM side and then push up any gaps they cannot fill to us). We are not aware of any work the local EM has done in this regard. I will be with the FEMA Region V Director as well as the FEMA Administrator, Craig Fugate, this week if they have questions.

I have advised Dr. Jackie Scott from DHHS and will be sending her the letter and ppt.

Chris

Capt. Chris A. Kelenske
Deputy State Director/Commander
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
(517) 333-5042

“A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY.”

DANIEL T. KILDEE
5TH DISTRICT, MICHIGAN

COMMITTEE ON
FINANCIAL SERVICES

SUBCOMMITTEE ON
HOUSING AND INSURANCE

SUBCOMMITTEE ON
MONETARY POLICY AND TRADE

SENIOR WHIP

DEMOCRATIC POLICY AND
COMMUNICATIONS COMMITTEE

Congress of the United States
House of Representatives
Washington, DC 20515

WASHINGTON OFFICE

227 CANNON HOUSE OFFICE BUILDING
WASHINGTON, DC 20515
(202) 225-3611
(202) 225-6393 (FAX)

DISTRICT OFFICE

111 EAST COURT STREET #3B
FLINT, MI 48502
(810) 238-8627
(810) 238-8658 (FAX)

WWW.DANKILDEE.HOUSE.GOV
/REPDANKILDEE
@REPDANKILDEE

September 22, 2015

Secretary Sylvia Matthews Burwell
U.S. Department of Health & Human Services
HHS Office of the Secretary
200 Independence Avenue, S.W.
Washington, DC 20201

Administrator William Craig Fugate
Federal Emergency Management Agency
500 C Street, S.W.
Washington, DC 20472

Administrator Gina McCarthy
Environmental Protection Agency
Office of the Administrator 1101A
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

Director Tom Frieden
Centers for Disease Control and Prevention
1600 Clifton Road
Atlanta, GA 30329

Secretary Burwell, Administrator McCarthy, Administrator Fugate and Director Frieden:

Recent developments regarding the level of lead in the water in one of the communities I represent, Flint, Mich., have raised significant concerns about the safety of its drinking water. For this reason, I am requesting immediate resources to provide safe drinking water to the residents of Flint until additional testing can be completed that confirms the water is safe, particularly for young children.

Although the city of Flint and the Michigan Department of Environmental Quality have conducted tests and taken the position that the lead level in the water is safe and below the action level, there are significant questions about the efficacy of their testing. In fact, Dr. Marc Edwards of Virginia Tech University, an established drinking water expert, conducted his own tests as part of a study that determined the water in Flint was above the lead action level.

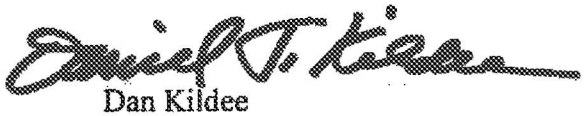
Additionally, yesterday the Greater Flint Health Coalition, a group of health professionals in the community, released a report showing elevated blood lead levels in residents in Flint, particularly in young children. In response, the Coalition has requested that the Genesee County Health Department release a health advisory indicating that the water in Flint is unsafe to drink.

Thus, I am requesting resources from your agency to provide clean drinking water to the residents of Flint until additional testing can determine when the water will be safe to drink and a long-term solution can be implemented.

This is a serious health issue, particularly for young children, and until the water is demonstrated to be safe, immediate action must be taken to ensure Flint's residents have potable drinking water.

I look forward to working with you and thank you for your immediate attention.

Sincerely,

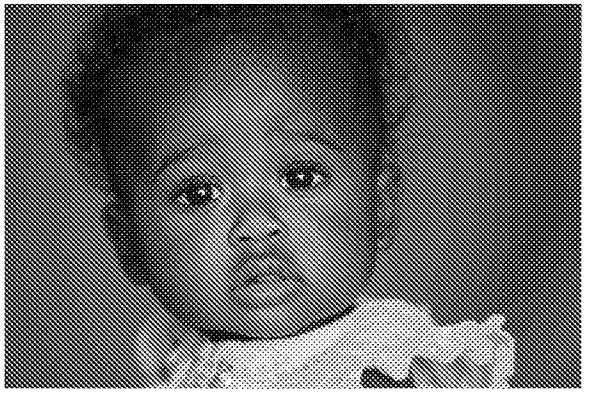


Dan Kildee
MEMBER OF CONGRESS

Pediatric Lead Exposure In Flint, Michigan:
A Failure of Primary Prevention

Mona Hanna-Attisha MD MPH FAAP
Hurley Children's Hospital
Michigan State University Department of Pediatrics and Human Development

Introducing Makayla*



- 12 month old girl (DOB 8/15/2014) presented last week for her 1 year old check up. No concerns.
- Lives with single mom and 2 older siblings in west side (48504). Formula from WIC; powder mixed with warm tap water.
- Physical exam and development are normal. Makayla receives her 1 year old vaccines and routine lead and hemoglobin screening.
- *A couple days later, lead level comes back as 6 ug/dL.*

*Hypothetical scenario

Blood lead level of 6 ug/dL….

- Blood lead levels (BLL) above 5 ug/dL are considered elevated blood lead levels (EBL)
- Just a few years ago (2012), 10 ug/dL was cutoff
- Increasing evidence shows NO safe blood lead level
- Disproportionately impacts low income, minority children
- Primary prevention is most important

Primary Prevention

- "Because no measurable level of blood lead is known to be without deleterious effects, and because once engendered, the effects appear to be irreversible in the absence of any other interventions, public health, environmental and housing policies should encourage PREVENTION of all exposure to lead."

"Low Level Lead Exposure Harms Children: A Renewed Call for Primary Prevention." 2012 CDC Advisory Committee on Childhood Lead Poisoning Prevention.

What will happen to Makayla?

- Vast evidence supports increased likelihood of:
  - Decrease in IQ
    - An increase in BLL from 1 to 4 ug/dL, drops mean IQ -3.7 points
  - Small change in mean IQ, shifts entire population IQ distribution
    - Reduces high achievers IQs (>130) and increases kids with low IQs (<70)
    - Implications for special education services, employment, incarceration, life achievement, etc

Lanphear BP et al., Low-level environmental lead exposure and children's intellectual function: an international pooled analysis. Environ Health Perspect, 2005. 113:894-9.
Fewtrell LJ, Pruss-Ustun A, Landrigan P, and Ayuso-Mateos JL, Estimating the global burden of disease of mild mental retardation and cardiovascular diseases from environmental lead exposure. Environmental Research, 2004. 94:120-33.

Behavioral Burden

- Increased likelihood of :
  - ADHD behaviors
  - Delinquent behaviors and arrests
  - Total arrests and increased rates of arrests involving violent offenses
  - Other health effects: hematologic, cardiovascular, immunologic, endocrine, etc

Wright, JP, KN Dietrich, MD Ris, et al. 2008. Association of prenatal and childhood blood lead concentrations with criminal arrests in early adulthood. *PLoS Med* 5(5): e101

Chen, A, B Cai, KN Dietrich, et al. 2007. Lead exposure, IQ, and behavior in urban 5-7 year-olds: Does lead affect behavior only by lowering IQ? *Pediatrics* 119(3): e650-e658.

Needleman, HL, C McFarland, RB Ness, et al. 2002. Bone lead levels in adjudicated delinquents: A case control study. *Neurotoxicology and Teratology* 24(6):711-717.

The Cost

- "For childhood lead poisoning, $5.9 million in medical care costs, as well as an additional $50.9 billion (sensitivity analysis: $44.8–$60.6 billion) in lost economic productivity resulting from reduced cognitive potential from preventable childhood lead exposure."

- "The present value of Michigan's economic losses attributable to lead exposure in the 2009 cohort of 5 year-olds ranges from $3.19 (using U.S. blood lead levels) to $4.85 billion (using Michigan blood lead levels) per year in loss of future lifetime earnings."

Leonardo Trasande and Yinghua Liu. Reducing The Staggering Costs Of Environmental Disease In Children, Estimated At $76.6 Billion In 2008. *Health Affairs*, 30, no.5 (2011):863-870

The Price of Pollution: Cost Estimates of Environment-Related Childhood Diseases in Michigan. 2010 Report by Michigan Network of Children's Environmental Health

Lead in Water

- Increasing as source of lead, because of success in controlling other sources.
- Increasing due to aging water infrastructures, change in water sources, disinfectant uses, etc
- Disproportionally impacts developmentally-vulnerable formula-fed infants and pregnant mothers
  - For about 25% of infants drinking formula made from tap water at 10 ppb, blood lead would rise above the CDC level of concern of 5 micrograms/deciLiter (or ug/dL).
  - Increase in fetal death and reduced birth weights

Triantafyllidou, S., Gallagher. D. and Edwards, M. Assessing risk with increasingly stringent public health goals: the case of water lead and blood lead in children. Journal of Water and Health. doi: 10.2166/wh.2013.067 58-68 (2014).
Edwards, M. Fetal Death and Reduced Birth Rates Associated with Exposure to Lead-Contaminated Drinking Water. Env. Sci. and Tech. 2013 DOI: 10.1021/es4034952

Preliminary Results

(results removed)

Conclusions from BLL analysis

- % of children with EBL in Flint has increased
  - Most striking increase in zip codes with highest water lead levels
- Results underestimate risk: infants not screened for lead and water usage unknown.
  - *Accurate exposure largely unknown since national childhood lead screening focuses on household lead exposure (paint, soil, dust) at later ages (1 and 2 yrs)*

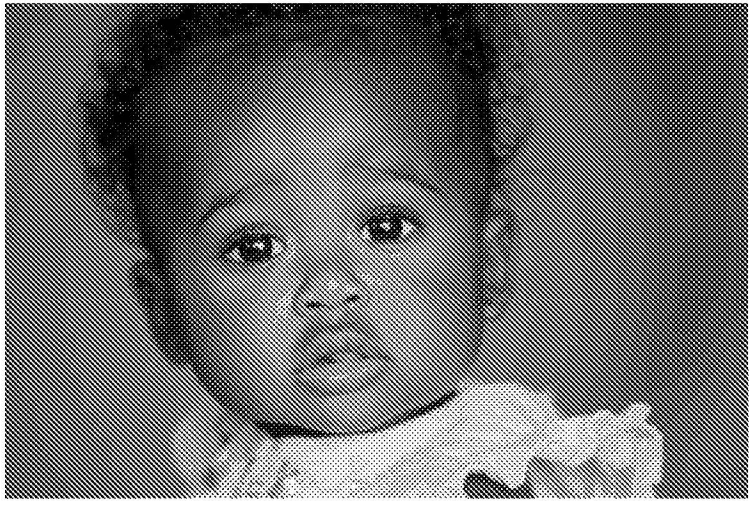
- Results are consistent and concerning. Primary prevention has failed.

Next Steps

- Immediately limit further exposure
  - Encourage breast feeding
  - No tap water for high risk groups: infants on formula & pregnant mothers
  - Declare health advisory: allows WIC to administer water or ready-to-feed formula and other resources (Salvation Army & United Way water supplies)
  - Distribution of lead clearing NSF-approved filters
  - Public education regarding precautions (flushing, etc)
  - Re-connect to Lake Huron water source ASAP

And Makayla…

- Asymptomatic now
- But what will her future hold and an entire generation of Flint children?



JOIN THE MSP

From: Wurfel, Sara (GOV)
Sent: Monday, September 28, 2015 6:00 PM
To: Mcbride, Bill (GOV)
Subject: Re: Flint Water Issue - Rep. Kildee Letter Received By Federal Agencies
Attachments: image001.png

Go figure huh?

Sent from my iPhone

On Sep 28, 2015, at 5:54 PM, Mcbride, Bill (GOV) <mcbrideb@michigan.gov> wrote:

> He never mentioned this on the call this morning.
>
> ---
>
> **From:** Wurfel, Sara (GOV)
> **Sent:** Monday, September 28, 2015 5:52 PM
> **To:** Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Mcbride, Bill (GOV) <mcbrideb@michigan.gov>
> **Cc:** Murray, David (GOV) <MurrayD1@michigan.gov>; Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>
> **Subject:** FW: Flint Water Issue - Rep. Kildee Letter Received By Federal Agencies
> **Importance:** High
>
> Please see attached and below just in case … sounds like we should have follow up conversation with MSP team and make sure we're coordinating with DEQ, DHHS and Treasury.
>
> ---
>
> **From:** Kelenske, Chris (MSP)
> **Sent:** Monday, September 28, 2015 5:49 PM
> **To:** Etue, Kriste (MSP) <EtueK@michigan.gov>; Gorski, Gary (MSP) <GorskiG@michigan.gov>; Smith, Paul (GOV) <SmithP29@michigan.gov>
> **Cc:** Katarsky, Anthony (MSP) <KatarskyA@michigan.gov>; Leix, Ron (MSP) <LeixR@michigan.gov>; Banner, Shanon (MSP) <BannerS@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>
> **Subject:** Flint Water Issue - Rep. Kildee Letter Received By Federal Agencies
> **Importance:** High
>
> Attached are two documents for your information: 1) A letter from US Representative Kildee to Craig Fugate of FEMA, HHS, EPA, and CDC and 2) a PowerPoint on Flint water concerns. Essentially, Representative Kildee is requesting FEMA take action to resolve potable water quality issues associated with the Flint water system.
>
> This is the first we heard of the letter and I actually found out from the FEMA Region V Director when he called me about an hour ago. He and I discussed a few things on this and he will respond advising they need to work through the local EM system in MI (engaging the local EM and then EMHSD). They also are working through the local health department as I confirmed with Dr. Scott from DHHS. If Flint needs water or want water the first step is to handle it locally (at least on the EM side and then push up any

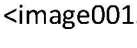
gaps they cannot fill to us). We are not aware of any work the local EM has done in this regard. I will be with the FEMA Region V Director as well as the FEMA Administrator, Craig Fugate, this week if they have questions.

I have advised Dr. Jackie Scott from DHHS and will be sending her the letter and ppt.

Chris

Capt. Chris A. Kelenske
Deputy State Director/Commander
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
(517) 333-5042

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY."



JOIN THE MSP

JOIN THE MSP

From: Wurfel, Sara (GOV)
Sent: Friday, October 02, 2015 9:21 AM
To: Lange, Michelle (GOV)
Subject: RE: HIGH PRIORITY: Updated Flint water action plan

No, provided you've connected with and heard from Maggie P at DEQ. They were reaching out to local legislators – Ananich, Neely and Phelps – to fill them in on plan and invite them. Just want to make sure everyone is loop and aware of everything.

Haven't heard latest on that yet.

From: Lange, Michelle (GOV)
Sent: Friday, October 02, 2015 8:23 AM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>
Subject: RE: HIGH PRIORITY: Updated Flint water action plan

Good morning- just went through it, doesn't look like you need leg to make any calls, but wanted to double check in case I'm missing something.

Thanks!

M.

From: Wurfel, Sara (GOV)
Sent: Thursday, October 1, 2015 11:42 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Posthumus, Dick (GOV) <Posthumusd@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>; Priest, Chris (GOV) <PriestC1@michigan.gov>; Ackerman, Darin (GOV) <ackermand3@michigan.gov>; Lange, Michelle (GOV) <LangeM3@michigan.gov>; Mcbride, Bill (GOV) <mcbrideb@michigan.gov>; Brown, Eric (GOV) <BrownE15@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>
Cc: Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>; Clayton, Stacie (GOV) <claytons3@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Brown, Jessica (GOV) <BrownJ53@michigan.gov>; Paciorek, Josh (GOV) <Paciorekj@michigan.gov>
Subject: HIGH PRIORITY: Updated Flint water action plan
Importance: High

Hi all –

Attached are several items pulled together to help announce the new comprehensive action plan related to Flint water tomorrow. This build upon past efforts and as aimed to be a real collaborative effort with local, state and federal agencies, along with city and community leaders. These items are:

- News release
- Infographics – one to summarize action plan and one to help highlight the tips for Flint residents

- High level points

The Governor, along with Dan Wyant, Nick Lyon, and Dr. Eden Wells are slated to do an embargoed media conference call with select reporters at 11:15 a.m. tomorrow.

This will be followed by a 1:30 p.m. press conference in Flint led by Directors Wyant and Lyon, moderated by Harvey, and including Dr. Wells and Flint Mayor Dayne Walling. EPA Region 5 Administrator Susan Headman dropped out late today due to some pending litigation. It's possible that Cong. Kildee and/or State Sen. Anaich and State Reps. Neely and Phelps may be participating as well.

There will also be a clearinghouse of Flint water information available at a new web site – www.michigan.gov/FlintWater. It will be live at 1 p.m. tomorrow.

Please review and let us know of any Qs, concerns, last edits, of if anything else is needed at all.

They are going through last review and refinement now. Please do not share materials until we know they are final.

Thanks much,
SW

Sara Wurfel, APR
Press Secretary | Executive Office of Governor Rick Snyder
wurfels@michigan.gov
517-335-6397, office
[redacted]mobile
Twitter:@SaraLW

From: Wurfel, Sara (GOV)
Sent: Tuesday, October 06, 2015 5:17 PM
To: 'Agen, Jarrod (GOV)'; Murray, David (GOV)
Subject: RE: Flint Drinking Water Action Plan Update - FOIA EXEMPT AND ATTORNEY-CLIENT PRIVILEGED

Great -- thx.

Do we have tomorrow's 8 a.m. call or meeting details yet?

From: Agen, Jarrod (GOV)
Sent: Tuesday, October 06, 2015 5:09 PM
To: Murray, David (GOV) <MurrayD1@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>
Subject: Fwd: Flint Drinking Water Action Plan Update - FOIA EXEMPT AND ATTORNEY-CLIENT PRIVILEGED

This may be helpful in crafting materials.

Begin forwarded message:

> **From:** "Wyant, Dan (DEQ)" <WyantD@michigan.gov>
> **Date:** October 6, 2015 at 5:05:10 PM EDT
> **To:** "Scott, Allison (GOV)" <scotta12@michigan.gov>, "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>, "Dickinson, Sarah (GOV)" <DickinsonS@michigan.gov>
> **Subject: Flint Drinking Water Action Plan Update - FOIA EXEMPT AND ATTORNEY-CLIENT PRIVILEGED**
>
> The Flint Drinking Water Action Plan was announced on October 2, 2015. It included the following:
>
> - Testing in Flint public schools immediately
> - Offered free water testing to Flint residents
> - Provided free water filters to residents with concerns or who are included in state assistance programs
> - Expanding health exposure testing of individual homes
> - Accelerating corrosion controls in the Flint drinking water system
> - Accelerating water system improvements to address replacing lead service lines
> - Expediting the completion of the Karegnondi Water Authority pipeline
> - Expanding a Safe Drinking Water Technical Advisory Committee
> - Named Dr. Eden Wells as the Flint drinking water public health advisor
> - Boosted a comprehensive lead education program
>
> Testing in Flint Public Schools Immediately

Samples were taken on October 2 and were received at DEQ laboratory over the weekend. Test results to date indicate 37 samples tested, 4 of which exceeded a federal action level, and 1 of those 4 was a significant outlier. We will be compiling detailed information about which schools and area codes the test results came from and will be providing that information in our next update.

We have met with DHHS, and we are working on developing response protocols, a communications plan, and guidance for schools when this data is reported.

Offered Free Water Testing to Flint Residents

We have received 4 sets of samples from Flint that represent individual residents. We will be compiling the total number and the results of those samples and reporting in a future report.

Provided Free Water Filters to Residents with Concerns or Who are Included in State Assistance Programs

DHHS held organizational meetings in Flint on October 5, and filter distribution by DHHS started on October 6. Nick Lyon in DHHS is taking the lead in filter distribution.

Expanding Health Exposure Testing of Individual Homes

Dr. Wells and Dan Wyant have been in conversations about a protocol for exposure testing. Dr. Wells will take the lead on developing the protocol.

Accelerating Corrosion Controls in the Flint Drinking Water System

A conference call was held with U.S. EPA Regional Administrator Susan Hedman and national corrosion control experts. We asked two questions:

1. **Which is a safer water source – DWSD or Flint River?**
2. **If you don't have an opinion on the safer source, what criteria should we use for an evaluation?**

EPA staff would not commit to a preference, but their evaluation of the criteria clearly lead to the conclusion that DWSD was a safer water source. EPA committed to submitting technical assistance to the Safe Drinking Water Technical Advisory Committee (Advisory Committee) meeting, which will be held on October 7 at 2:00 p.m. in Flint City Hall.

DEQ met with the Flint Mayor, the city manager, and their water staff. Flint agreed to expediting corrosion controls. We discussed the agenda for the Advisory Committee meeting. The Advisory Committee will be asked to evaluate two respective water sources at their Wednesday meeting.

We expect the Advisory Committee to recommend the water source that would address not only lead safety but also other water safety issues.

Accelerating Water System Improvements to Address Replacing Lead Service Lines

Conversations with Congressman Kildee and EPA have clarified the state would be allowed to use Drinking Water Revolving Loan funds to replace private drinking water service lines. Senator Ananich has been approached to introduce language clarifying the state's authority.

Expediting the Completion of the Karegnondi Water Authority Pipeline

Dan Wyant has talked to Genesee County Drain Commissioner Jeff Wright. Mr. Wright has provided a list of issues that would help expedite the completion of the Karegnondi Water Authority pipeline. They include truck weight and frost law exemptions, talent identification, and expediting permits.

Expanding a Safe Drinking Water Technical Advisory Committee

EPA has appointed their national technical expert to the Advisory Committee, and we have appointed Alfred Franzblau, M.D., Professor of Environmental Health Services, University of Michigan, to the Advisory Committee.

Named Dr. Eden Wells as the Flint Drinking Water Public Health Advisor

Boosted a Comprehensive Lead Education Program

Other Updates

- Dan Wyant was interviewed on October 6 by CBS Evening News during filter distribution in Flint. Questions asked were:
  - Was it a mistake to go to Flint River water?
    Answer: We draw water from the surface waters; we treat it to safe drinking water standards. At issue is lead exposure. Lead exposure must be addressed. Actions are being taken to address the issue.
  - Did you put kids at risk?
    Answer: Lead exposure is a serious issue, and steps need to be taken to limit lead exposure.
  - Why did it take so long?
    Answer: DEQ has been there from the beginning addressing the issue of Flint water. Recent tests justify and require the actions taken. Action steps address short-term, intermediate, and long-term lead issues to ensure public safety and confidence of the drinking water.

- Dan Wyant also spoke to the Governor about Flint funding needs. A meeting is scheduled for October 7 at 8:00 a.m. to further discuss proposals.

- What we are telling Flint citizens is:
  - Have your water tested
  - Use only cold water for drinking, cooking, and preparing formula
  - Run water before use if it has not been used for several hours
  - Obtain a water filter approved for lead removal
  - Purchase lead-free plumbing components
  - Remove entire lead service lines

From: Wurfel, Sara (GOV)
Sent: Wednesday, October 07, 2015 7:42 PM
To: Hollins, Harvey (GOV)
Subject: RE: URGENT review please -- Draft Flint water release

On the plus side, the original didn't come from me but noticed that you weren't on there.

Mayor just sent contact info -- making sure you got oK?

From: Hollins, Harvey (GOV)
Sent: Wednesday, October 07, 2015 7:30 PM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>
Subject: Re: URGENT review please -- Draft Flint water release

I thought was part of the team... :(. Lol. I know your busy.

When the Mayor sends you the council's contact list, let me know.

Best,
Harvey

On Oct 7, 2015, at 7:17 PM, Wurfel, Sara (GOV) <Wurfels@michigan.gov> wrote:

> Looping in Harvey, Brad and Maggie here too ...
>
> ---
>
> **From:** Biehl, Laura (GOV)
> **Sent:** Wednesday, October 07, 2015 6:46 PM
> **To:** Murray, David (GOV) <MurrayD1@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Heaton, Anna (GOV) <HeatonA@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Brown, Jessica (GOV) <BrownJ53@michigan.gov>; Paciorek, Josh (GOV) <Paciorekj@michigan.gov>; Lasher, Geralyn (DHHS) <lasherg@michigan.gov>; Minicuci, Angela (DHHS) <MinicuciA@michigan.gov>; Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Tommasulo, Karen (DEQ) <TommasuloK@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Posthumus, Dick (GOV) <Posthumusd@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>; Calley, Brian (GOV) [redacted]; Forstner, Nathaniel (GOV) <forstnern1@michigan.gov>
> **Subject:** RE: URGENT review please -- Draft Flint water release
>
> See new version attached. Small revisions made and placeholders added for Mayor and Mott Foundation Quotes.
>
> ---
>
> **From:** Murray, David (GOV)
> **Sent:** Wednesday, October 07, 2015 6:12 PM
> **To:** Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Biehl, Laura (GOV) <BiehlL@michigan.gov>; Heaton, Anna (GOV) <HeatonA@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Brown, Jessica (GOV) <BrownJ53@michigan.gov>; Paciorek, Josh

(GOV) <Paciorekj@michigan.gov>; Lasher, Geralyn (DHHS) <lasherg@michigan.gov>; Minicuci, Angela (DHHS) <MinicuciA@michigan.gov>; Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Tommasulo, Karen (DEQ) <TommasuloK@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Posthumus, Dick (GOV) <Posthumusd@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>; Calley, Brian (GOV) [redacted] Forstner, Nathaniel (GOV) <forstnern1@michigan.gov>
Subject: URGENT review please -- Draft Flint water release

Team,

Please review this draft press release for the Thursday announcement in Flint. This incorporates some suggested edits to the strong draft from DEQ earlier today.

Thank you very much.

Gov. Rick Snyder: Move back to Detroit water provides best protection for public health in Flint

State, Mott Foundation and city form partnership to fund switch

FLINT, Mich. – Flint families and children will be better protected by reconnecting with the Great Lakes Water Authority as the source of the city's drinking water, Gov. Rick Snyder said.

Snyder said Thursday that he will request the state Legislature to provide a portion of the $12 million needed to reconnect with the authority, with the Flint city government providing $2 million and the Charles Stewart Mott Foundation donating $4 million.

The Michigan Department of Health and Human Services and the Department of Environmental Quality today also committed an additional $3.5 million for water filters, free lead testing through the state laboratory for Flint water customers, and hiring additional staff to conduct health exposure monitoring for lead in drinking water.

Flint city leaders requested the state's help to fund the reconnection after a Wednesday meeting of Flint's Technical Advisory Committee. Flint's move to the Great Lakes Water Authority is expected to cost about $1.3 million per month until the Karegnondi Water Authority is completed next summer.

"All Flint residents need clean, safe drinking water," Snyder said. "The technical experts helping the city on its water advisory all agree this move back to the Great Lakes Water Authority provides the best public health protection for children and families. This effort today is the result of people coming together to solve a problem. I appreciate Detroit's willingness to reconnect with Flint, the Mott Foundation's generous donation, and the dedication of all parties to come together to protect Flint families and children."

The move to Detroit water, which is drawn from Lake Huron, carries many public health benefits. As large bodies of water, the Great Lakes are naturally prone to fewer problems from large rain events and other runoff issues that can be present in shallower rivers. Additionally, the Great Lakes Water Authority has already fully optimized its corrosion control, using phosphates to help coat the insides of pipes and prevent lead from leaching into the water.

However, reconnecting with the authority will not completely resolve the city's problem with lead service lines or aging infrastructure. It will take time for pipes in Flint to become coated with the phosphate corrosion control. Additionally, some households in the city could experience lead in their drinking water until all lead pipes and plumbing are replaced.

To best protect public health, Snyder said state and local authorities will continue to carry out steps outlined on Oct. 2 in a comprehensive action plan, including continued testing, the use of faucet filters and providing residents with accurate information about steps to eliminate lead in water.

Free filters are available for current MDHHS clients at the 125 E. Union St. or 4809 Clio Road MDHHS office locations.

For residents who are not currently enrolled in MDHHS assistance programs, free filters are available at the Genesee County Community Action Resource Department offices at 2727 Lippincott and 601 North Saginaw in Flint. Staff will be at all four locations from 9 a.m. to 4 p.m., Monday through Friday, to distribute filters and assist residents who have questions about proper installation.

At the Lippincott location only, extended hours will be offered this weekend, including until 7 p.m. on Thursday and Friday and from 10 a.m. to 2 p.m. on Saturday.

Other good practices for residents concerned about lead include turning on the cold water tap and running the water until it's as cold as it will go. Additionally, only use cold water for cooking, drinking and especially mixing baby formula.

School test results released; more investigation planned

The state today also released the first results from its lead screening program in schools and homes. Of 37 total samples taken at 13 buildings, four samples spread over three buildings exceeded the federal action level of 15 parts per billion.

However, this sampling provides only an initial screen, and the state is committing to further testing water and inspecting plumbing at these schools. Until testing is complete, schools are advised to continue using bottled water and filtration as a precaution to protect children.

In addition, free testing is still available for any other Flint school, including daycares and Head Starts. Free testing is also available for any Flint resident.

Additional information, including more detailed lead screening results, is available at www.michigan.gov/flintwater.

###

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397, office
[redacted] mobile
Twitter:@michigandmurray

<image001.jpg>

From: Wurfel, Sara (GOV)
Sent: Wednesday, October 07, 2015 7:55 PM
To: Baird, Richard (GOV)
Subject: RE: URGENT review please -- Draft Flint water release

Got it – thx!

I don't think folks will likely want to be part of this one, but we can double check. We'll also work with Governor to include in his comments at the presser. That would probably meet this need and go a long way too.

From: Baird, Richard (GOV)
Sent: Wednesday, October 07, 2015 7:22 PM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>
Subject: Fwd: URGENT review please -- Draft Flint water release

meant to send to you.

Sent from my iPad

Begin forwarded message:

> **From:** "Baird, Richard (GOV)" <bairdr@michigan.gov>
> **Date:** October 7, 2015 at 7:12:04 PM EDT
> **To:** "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>, "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>, "Biehl, Laura (GOV)" <BiehlL@michigan.gov>, "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>
> **Subject: Fwd: URGENT review please -- Draft Flint water release**
>
> I think this looks good but are we missing an opportunity to shout out all the entities that have stepped up to help? GM, Home Depot, etc. etc.?
>
> If Harvey has the full list, perhaps it could even be attached as an addendum. The point is that a lot of people did come together to address the problem, including the private sector and various volunteer organizations. I think it says something special about this state rallying to help one of its cities.
>
> Rich
>
> Sent from my iPad
>
> Begin forwarded message:
>
> > **From:** "Biehl, Laura (GOV)" <BiehlL@michigan.gov>
> > **Date:** October 7, 2015 at 6:46:28 PM EDT
> > **To:** "Murray, David (GOV)" <MurrayD1@michigan.gov>, "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>, "Wurfel, Sara (GOV)" <Wurfels@michigan.gov>, "Heaton, Anna (GOV)" <HeatonA@michigan.gov>, "Kennedy, Jordan (GOV)" <KennedyJ4@michigan.gov>, "Brown, Jessica (GOV)" <BrownJ53@michigan.gov>, "Paciorek, Josh (GOV)" <Paciorekj@michigan.gov>, "Lasher, Geralyn (DHHS)"

<lasherg@michigan.gov>, "Minicuci, Angela (DHHS)" <MinicuciA@michigan.gov>, "Eisner, Jennifer (DHHS)" <EisnerJ@michigan.gov>, "Wurfel, Sara (GOV)" <Wurfels@michigan.gov>, "Tommasulo, Karen (DEQ)" <TommasuloK@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>, "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Posthumus, Dick (GOV)" <Posthumusd@michigan.gov>, "Baird, Richard (GOV)" <bairdr@michigan.gov>, "Calley, Brian (GOV)" [redacted] "Forstner, Nathaniel (GOV)" <forstnern1@michigan.gov>
Subject: RE: URGENT review please -- Draft Flint water release

See new version attached. Small revisions made and placeholders added for Mayor and Mott Foundation Quotes.

From: Murray, David (GOV)
Sent: Wednesday, October 07, 2015 6:12 PM
To: Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Biehl, Laura (GOV) <BiehlL@michigan.gov>; Heaton, Anna (GOV) <HeatonA@michigan.gov>; Kennedy, Jordan (GOV) <Kennedyj4@michigan.gov>; Brown, Jessica (GOV) <Brownj53@michigan.gov>; Paciorek, Josh (GOV) <Paciorekj@michigan.gov>; Lasher, Geralyn (DHHS) <lasherg@michigan.gov>; Minicuci, Angela (DHHS) <MinicuciA@michigan.gov>; Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Tommasulo, Karen (DEQ) <TommasuloK@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Posthumus, Dick (GOV) <Posthumusd@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>; Calley, Brian (GOV) [redacted]; Forstner, Nathaniel (GOV) <forstnern1@michigan.gov>
Subject: URGENT review please -- Draft Flint water release

Team,

Please review this draft press release for the Thursday announcement in Flint. This incorporates some suggested edits to the strong draft from DEQ earlier today.

Thank you very much.

Gov. Rick Snyder: Move back to Detroit water provides best protection for public health in Flint

State, Mott Foundation and city form partnership to fund switch

FLINT, Mich. – Flint families and children will be better protected by reconnecting with the Great Lakes Water Authority as the source of the city's drinking water, Gov. Rick Snyder said.

Snyder said Thursday that he will request the state Legislature to provide a portion of the $12 million needed to reconnect with the authority, with the Flint city government providing $2 million and the Charles Stewart Mott Foundation donating $4 million.

The Michigan Department of Health and Human Services and the Department of Environmental Quality today also committed an additional $3.5 million for water filters, free lead testing through the state laboratory for Flint water customers, and hiring additional staff to conduct health exposure monitoring for lead in drinking water.

Flint city leaders requested the state's help to fund the reconnection after a Wednesday meeting of Flint's Technical Advisory Committee. Flint's move to the Great Lakes Water Authority is expected to cost about $1.3 million per month until the Karegnondi Water Authority is completed next summer.

"All Flint residents need clean, safe drinking water," Snyder said. "The technical experts helping the city on its water advisory all agree this move back to the Great Lakes Water Authority provides the best public health protection for children and families. This effort today is the result of people coming together to solve a problem. I appreciate Detroit's willingness to reconnect with Flint, the Mott Foundation's generous donation, and the dedication of all parties to come together to protect Flint families and children."

The move to Detroit water, which is drawn from Lake Huron, carries many public health benefits. As large bodies of water, the Great Lakes are naturally prone to fewer problems from large rain events and other runoff issues that can be present in shallower rivers. Additionally, the Great Lakes Water Authority has already fully optimized its corrosion control, using phosphates to help coat the insides of pipes and prevent lead from leaching into the water.

However, reconnecting with the authority will not completely resolve the city's problem with lead service lines or aging infrastructure. It will take time for pipes in Flint to become coated with the phosphate corrosion control. Additionally, some households in the city could experience lead in their drinking water until all lead pipes and plumbing are replaced.

To best protect public health, Snyder said state and local authorities will continue to carry out steps outlined on Oct. 2 in a comprehensive action plan, including continued testing, the use of faucet filters and providing residents with accurate information about steps to eliminate lead in water.

Free filters are available for current MDHHS clients at the 125 E. Union St. or 4809 Clio Road MDHHS office locations.

For residents who are not currently enrolled in MDHHS assistance programs, free filters are available at the Genesee County Community Action Resource Department offices at 2727 Lippincott and 601 North Saginaw in Flint. Staff will be at all four locations from 9 a.m. to 4 p.m., Monday through Friday, to distribute filters and assist residents who have questions about proper installation.

At the Lippincott location only, extended hours will be offered this weekend, including until 7 p.m. on Thursday and Friday and from 10 a.m. to 2 p.m. on Saturday.

Other good practices for residents concerned about lead include turning on the cold water tap and running the water until it's as cold as it will go. Additionally, only use cold water for cooking, drinking and especially mixing baby formula.

School test results released; more investigation planned

The state today also released the first results from its lead screening program in schools and homes. Of 37 total samples taken at 13 buildings, four samples spread over three buildings exceeded the federal action level of 15 parts per billion.

However, this sampling provides only an initial screen, and the state is committing to further testing water and inspecting plumbing at these schools. Until testing is complete, schools are advised to continue using bottled water and filtration as a precaution to protect children.

In addition, free testing is still available for any other Flint school, including daycares and Head Starts. Free testing is also available for any Flint resident.

Additional information, including more detailed lead screening results, is available at www.michigan.gov/flintwater.

###

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397 office
[redacted] mobile
Twitter:@michigandmurray

From: Wurfel, Sara (GOV)
Sent: Thursday, October 08, 2015 1:56 PM
To: 'Danziger, Rona'; Biehl, Laura (GOV)
Cc: Huber, Zahra; Davidek, Robert P; Mundie, Robert R
Subject: RE: Looking for comment

Greetings, Rona --

Just got back from Flint. Various versions of this Q came up during today's presser. I would recommend you take a listen. http://www.michigan.gov/snyder/0,4668,7-277-60112-268720--,00.html

State was following all nationally set standards and protocols for testing, and has some of the most dedicated and professional drinking water and public health experts in the country working off the best information available at the time. We have acted quickly and took detailed concrete actions steps as new information and data came in.

From: Danziger, Rona [mailto:rona.danziger@cbsradio.com]
Sent: Thursday, October 08, 2015 12:19 PM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Biehl, Laura (GOV) <BiehlL@michigan.gov>
Cc: Huber, Zahra <zahra.huber@cbsradio.com>; Davidek, Robert P <rpdavidek@cbs.com>; Mundie, Robert R <rrmundie@cbs.com>
Subject: Looking for comment

WWJ's Zahra Huber spoke with Professor Marc Edwards from Virginia Tech regarding his thoughts on the Flint Water situation as the lead researcher on the project and he had very harsh words about how the Flint Water situation had been handled. He said federal laws had been broken when the switch was made away from the Detroit River to the Flint River and that data was manipulated to show that Flint water was safe when it was not. Can we get a comment from the Governor on this interview? I've attached the audio, uncut, for you to listen to for comment.

Let us know. Thanks!

Rona Danziger
Senior Managing Editor |WWJ Newsradio 950|Michigan News Network
Direct: 248-327-2820|[redacted]|Newsroom: 248-945-9950
26555 American Drive | Southfield, MI 48034
Rona.danziger@cbsradio.com
www.cbsdetroit.com

LEGAL NOTICE: This email may be considered an advertising or promotional message.

If you no longer wish to receive commercial email from this Station, please reply to this email by sending a reply email by clicking on the "reply" button at the top of this page or by sending an email to rona.danziger@cbsradio.com insert this message into the reply email. "Please remove me from your commercial email list." You must use this method to notify WWJ of your opt-out request, as we cannot guarantee that other methods of notification will be effective. Please be aware that we may continue to contact you via email for administrative or informational purposes, including follow-up messages regarding contracts you have entered or other transactions you have undertaken. By law, such messages are not considered to be commercial email.

From: Wurfel, Sara (GOV)
Sent: Thursday, October 22, 2015 9:55 AM
To: Muchmore, Dennis (GOV)
Subject: RE: state money for detroit water

I can – but I need to have the facts and details first. This whole issue is one that we cannot afford to be wrong on.

From: Muchmore, Dennis (GOV)
Sent: Thursday, October 22, 2015 9:47 AM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>
Subject: RE: state money for detroit water

Push back hard on this. Natasha Henderson is becoming a liability.

From: Wurfel, Sara (GOV)
Sent: Thursday, October 22, 2015 9:35 AM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>
Cc: Murray, David (GOV) <MurrayD1@michigan.gov>
Subject: FW: state money for detroit water
Importance: High

Please see below.

No good deed goes unpunished. This looks like may be next big issue.

I thought GLWA-DWSD was NOT going to require the entire sum all up front?

From: Ronald Fonger [mailto:RFONGER1@mlive.com]
Sent: Thursday, October 22, 2015 9:28 AM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>
Subject: state money for detroit water

Sara:
I was at a City Council meeting last night when Flint City Administrator Natasha Henderson said the state has only wired Flint $2 million of the $6 million approved by the state Legislature.
She said the city has been told it will receive an additional $2 million in January and another $2 million in April.
Henderson said she's asked that the money be sent immediately because the city was required to pay Detroit the entire $12 million upfront, before the water was reconnected, and its water and sewer fund balance has dropped significantly as a result.
Several council members also spoke about this, and Council President Josh Freeman called the payment plant "beyond ridiculous" given the city's financial position.
Is there someone who can talk to us about this?
Thanks,

Ron Fonger
MLive Media Group
Reporter

mobile [redacted]
email rfonger1@mlive.com
address 540 S. Saginaw St. #101, Flint MI 48502

From: Wurfel, Sara (GOV)
Sent: Thursday, October 22, 2015 12:33 PM
To: 'Agen, Jarrod (GOV)'; Baird, Richard (GOV); Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Hollins, Harvey (GOV)
Cc: Murray, David (GOV)
Subject: RE: state money for detroit water

That's a great point and change.

From: Agen, Jarrod (GOV)
Sent: Thursday, October 22, 2015 12:30 PM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>
Cc: Murray, David (GOV) <MurrayD1@michigan.gov>
Subject: RE: state money for detroit water

Overall it works for me.
Although, just add some urgency/compassion.

- We want to ensure that there are no complications or interruptions in Flint residents receiving water from GWLA, so we are taking steps immediately wire the money to the city. They should have all of the state funds within a business day or two.

From: Wurfel, Sara (GOV)
Sent: Thursday, October 22, 2015 12:16 PM
To: Baird, Richard (GOV) <bairdr@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>
Cc: Murray, David (GOV) <MurrayD1@michigan.gov>
Subject: RE: state money for detroit water
Importance: High

So sounds like based on conf call that was just had, that for some reason the city did indeed agree to all up front.

Clearly don't want to throw city under the bus as that's certainly not going help situation, but since having them do that to us as has already started, please see below bullets. Fact based and shows state's immediate action to again help address. Work? Any concerns or changes?

- The initial agreement and understanding was for monthly payments.
- Unbeknownst to the state, the city entered into an arrangement for one upfront sum and payment.
- Now that we are aware of this and have confirmed that final arrangement, the state is taking steps to immediately wire the money to the city. They should have all of the state funds within a business day or two.

Please weigh in ASAP.

Thanks much,
SW

From: Wurfel, Sara (GOV)
Sent: Thursday, October 22, 2015 9:58 AM
To: Baird, Richard (GOV) <bairdr@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>
Cc: Murray, David (GOV) <MurrayD1@michigan.gov>
Subject: RE: state money for detroit water

Thanks much -- that was the last I had knew and understood too about how was supposed to work.

Just trying to either correct and nip in bud ASAP before this gets out of hand.

But also imperative that we have facts first.

p.s.
Have also talked with Treasury and SBO teams and they're looking into from their respective ends as well.

From: Baird, Richard (GOV)
Sent: Thursday, October 22, 2015 9:43 AM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>
Cc: Murray, David (GOV) <MurrayD1@michigan.gov>
Subject: RE: state money for detroit water

The deal was monthly payments. I will get into this as quick as I can but I am sure she has it wrong or someone in DWSD is befuddled.

From: Wurfel, Sara (GOV)
Sent: Thursday, October 22, 2015 9:35 AM
To: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Agen, Jarrod (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV)
Cc: Murray, David (GOV)
Subject: FW: state money for detroit water
Importance: High

Please see below.

No good deed goes unpunished. This looks like may be next big issue.

I thought GLWA-DWSD was NOT going to require the entire sum all up front?

From: Ronald Fonger [mailto:RFONGER1@mlive.com]
Sent: Thursday, October 22, 2015 9:28 AM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>
Subject: state money for detroit water

Sara:
I was at a City Council meeting last night when Flint City Administrator Natasha Henderson said the state has only wired Flint $2 million of the $6 million approved by the state Legislature.
She said the city has been told it will receive an additional $2 million in January and another $2 million in April.
Henderson said she's asked that the money be sent immediately because the city was required to pay Detroit the entire $12 million upfront, before the water was reconnected, and its water and sewer fund balance has dropped significantly as a result.
Several council members also spoke about this, and Council President Josh Freeman called the payment plant "beyond ridiculous" given the city's financial position.
Is there someone who can talk to us about this?
Thanks,

Ron Fonger
MLive Media Group
Reporter

mobile [redacted]
email rfonger1@mlive.com
address 540 S. Saginaw St. #101, Flint MI 48502

From: Wurfel, Sara (GOV)
Sent: Monday, November 09, 2015 3:47 PM
To: Murray, David (GOV)
Subject: RE: Flint water school testing results - TODAY

Dave – you'll want to make sure governor is aware of this too given today's timing just in case. These are kinds of things we need and want to make sure he and senior staff have a heads up on.

From: Wurfel, Sara (GOV)
Sent: Monday, November 09, 2015 3:47 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>
Cc: Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>; Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>; Scott, Allison (GOV) <scotta12@michigan.gov>
Subject: FW: Flint water school testing results - TODAY
Importance: High

Please see below and attached release per brief convo at senior staff. Sill no exact word on timing of blood lead level data from DHHS – hopefully by late this week.

DEQ also has video that they'll be using for some footage of the testing with TV stations. Link here: https://youtu.be/Amy4cDW7RtA

Freeman Elementary water testing shows lead exposure limited to fixtures

Experts release water testing results on schools and homes in Flint

As part of Gov. Rick Snyder's action plan for Flint drinking water, the DEQ today released water testing data from nearly 400 homes and businesses in Flint as well as comprehensive sampling results from Freeman Elementary School.

Both sets of data indicate the problems with lead are localized to individual buildings or even individual faucets, rather than system-wide issues.

"The results from this data underline the need for water testing at all homes, businesses, schools and other buildings in Flint," said George Krisztian, the DEQ's Flint Action Plan Coordinator. "Problems with lead exposure appear to be localized to individual service lines or plumbing fixtures, and we want to see all families in Flint take advantage of free water testing from the state."

Freeman Elementary testing results
At Freeman Elementary, 31 faucets were tested using a series of four samples each. Twenty-two outlets did not show elevated lead exposure, but nine faucets came back with initially high results.

Those nine outlets involve brass components, indicating the problem involves the fixtures or plumbing immediately surrounding the fixture. When the faucets and fountains were operated for several minutes, lead levels fell significantly, in some cases to non-detectable levels.

Additional testing designed to look deep into the school's plumbing did not suggest larger, systemic issues.

Freeman Elementary has several options for remedying the issues at these nine faucets and fountains. The school can elect not to use those particular fountains, or implement a formalized flushing regimen. The sampling results indicate that for all but one tap, a 3- to 4-minute flushing period each morning would drastically reduce lead exposure.

For a permanent solution, the school should opt to replace the faucets and fountains of concern.

"The safety and health of our students are our primary concern at Flint Community Schools, so we will start work as soon as possible to replace faucets, aerators and other related components where high lead levels were detected," FCS Superintendent Bilal Tawwab said. "Once those fixes have been made, the DEQ has offered to provide additional testing of the water at Freeman Elementary to ensure the water from every sample is safe for our students. Flint Community Schools appreciates the efforts by the DEQ, working with all stakeholders to make sure our water continues to be tested and that our students have access to safe, clean drinking water."

For Freeman Elementary's complete sampling results and more information about how sampling was conducted, visit www.michigan.gov/flintwater.

The DEQ and the DLARA also have conducted sampling at other Flint schools, and results will soon be available on the DEQ's website. Additionally, the state will test every other school in the Flint Community Schools district, as well as any school or daycare in the city. Interested schools and daycare centers should contact George Krisztian at krisztiang@michigan.gov.

Homeowner and other customer-requested testing results
Results from the 381 samples from homes, businesses, schools and other facilities that took advantage of free water testing through the state showed similar, localized results. More than 75 percent of the samples analyzed demonstrated lead results of 5 parts per billion or less, and more than 91 percent demonstrated lead results of 15 parts per billion or less.

This data suggests that while some homes experience elevated lead level results due to lead service lines or in-home plumbing, many other homes experience little to no lead. This can make it difficult for homeowners and businesses to predict their lead exposure.

"Since it's not easy to predict if an individual home's water is at risk for lead, the best thing all residents can do is get their water tested," Krisztian said. "It's a free test that provides valuable information for families."

Testing is available for free by contacting the Flint Water Plant at 810-787-6537 and pressing 1, or by emailing flintwater@cityofflint.com.

For more information about water samples received through the state's free testing program, visit www.michigan.gov/flintwater.

How school sampling was conducted
To conduct this comprehensive sampling, the DEQ and Michigan Department of Licensing and Regulatory Affairs began on Oct. 23 with a thorough plumbing assessment of the school to gain a comprehensive understanding of how water moves through the building and what types of plumbing materials are used. The assessment also identified 31 faucets or fountains in the school that provide water for drinking, cooking and/or food preparation.

On Oct. 24, the DEQ and DLARA took four, 125-milliliter samples from each of the 31 identified faucets and fountains. The first two samples were taken immediately after turning on the faucet, followed by a 30-second flush and then the third sample, followed by a 2-minute flush and then the fourth sample. These samples

provided information on the impact of any lead sources in or around each specific faucet and fountain as well as its connecting plumbing.

On Oct. 31, the DEQ and DLARA took an additional 30 samples, 10 each from three sites in the school. These 1-liter samples were taken consecutively, and provided information about the impact of any lead sources deep in the building's plumbing.

From: Brown, Jessica (GOV)
Sent: Monday, November 09, 2015 2:44 PM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>
Cc: Agen, Jarrod (GOV) <AgenJ@michigan.gov>
Subject: FW: Flint water school testing results - 3 PM

Saw Dave was on this but since he's on the road, thought you should definitely see as well. DEQ is planning to issue at 3 p.m.

This is the first I've seen a draft but Dave may have been looped in on the back end. Looks ok and pretty thorough to me. If you need help trying to track any background info down let me know. Happy to reach out.

From: Tommasulo, Karen (DEQ)
Sent: Monday, November 09, 2015 2:31 PM
To: Lasher, Geralyn (DHHS) <lasherg@michigan.gov>; Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>; Edgerton, Shelly (LARA) <EdgertonS1@michigan.gov>; Dykema, Linda D. (DHHS) <DykemaL@michigan.gov>; Wells, Eden (DHHS) <WellsE3@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>; Brown, Jessica (GOV) <BrownJ53@michigan.gov>; Wurfel, Brad (DEQ) <WurfelB@michigan.gov>; Feuerstein, Heather (DEQ) <FeuersteinH@michigan.gov>
Subject: School testing results

We're planning to put out this press release along with a video and the full results of the school and homeowner testing around 3 today. George Krisztian is taking calls.

Karen Tommasulo
Public Information Officer
Michigan Department of Environmental Quality
517-284-6716 | [redacted]
tommasulok@michigan.gov

From: Wurfel, Sara (GOV)
Sent: Monday, November 16, 2015 2:30 PM
To: 'Arthur Delaney'
Subject: RE: Residents of Flint, Michigan, to Sue City, State over Lead in Drinking Water

Importance: High

Greetings, Arthur –

Sorry for the delay. It's been a bit more crazy busy than normal.

On this lawsuit, we haven't been served yet so can't comment on specific details. What would say is that we're focused on moving forward and ensuring public health and clean, safe drinking water. The governor has outlined a detailed multiple step action plan for both immediate, mid and long term. He has also appointed a task force doing a very important job of reviewing all past actions. They are a bipartisan group of people of the highest integrity, experts in their fields and widely respected who are going to do a very thorough, objective review.

Just let me know if anything more needed at all.

Thanks and best,
SW

Sara Wurfel, APR
Press Secretary | Executive Office of Governor Rick Snyder
wurfels@michigan.gov
517-335-6397, office
[redacted] mobile
Twitter:@SaraLW

From: Arthur Delaney [mailto:arthur@huffingtonpost.com]
Sent: Monday, November 16, 2015 9:15 AM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>
Subject: Fwd: Residents of Flint, Michigan, to Sue City, State over Lead in Drinking Water

Hi, I am filing a short story on this lawsuit -- please let me know if the governor's office would care to comment.

---------- Forwarded message ----------
From: **Margie Kelly** <mkelly@nrdc.org>
Date: Mon, Nov 16, 2015 at 9:00 AM
Subject: Residents of Flint, Michigan, to Sue City, State over Lead in Drinking Water
To: jason.cherkis@huffingtonpost.com

FOR IMMEDIATE RELEASE

Contacts: Margie Kelly, NRDC, mkelly@nrdc.org, 312-651-7935; Darrell Dawsey, ACLU of Michigan, ddawsey@aclumich.org, 313-578-6831

Residents of Flint, Michigan, to Sue City, State over Lead in Drinking Water

Natural Resources Defense Council, ACLU of Michigan Start Legal Process to Stop Ongoing Violations of the Safe Drinking Water Act

CHICAGO (November 16, 2015) – Residents of Flint, Mich., together with the ACLU of Michigan and the Natural Resources Defense Council, today announced their intention to sue state and city officials for ongoing violations of the federal Safe Drinking Water Act amid the city's widespread lead-contamination crisis. A lawsuit would force officials to address repeated, systemic failures to follow federal rules designed to protect the public health from dangerous levels of lead exposure.

"The community of Flint is strong and united in our commitment to repair the harm lead exposure has inflicted on our children and families. We are taking a stand so that our community can heal the damage that has been done and work together so that justice can prevail," said Pastor Allen Overton, a leader of the Concerned Pastors for Social Action.

"This action is about holding the government accountable for failing to protect the public health of an entire community," said Anjali Waikar, an environmental justice staff attorney at the Natural Resources Defense Council. "This case also highlights a troubling trend in which the government is willing to cut costs at the expense of its most vulnerable citizens," Waikar said.

"In their short-sighted effort to save a buck, the leaders who were supposed to be protecting Flint's citizens instead left them exposed to dangerously high levels of lead contamination," said Michael Steinberg, legal director for the ACLU of Michigan. "Not only were the city and state's actions dangerous and misguided. They were illegal, too."

Dangerous amounts of lead leached out of the city's pipes and into the drinking water of Flint's homes and schools for more than a year following a decision by Flint officials to eschew Detroit's water supply in favor of using the Flint River as the City's primary drinking water source. Not long after the switch, residents began to complain about the smell and discoloration of the water and, later, physical ailments stemming from the tainted water.

Officials working on behalf of Flint insisted for several months that the water was safe. However, water tests conducted by experts from Virginia Tech proved those assurances to be wrong, and a study by a local pediatrician that showed that the proportion of Flint kids with elevated blood lead levels had doubled since the City switched water sources. After officials could no longer deny that the community's drinking water was contaminated, Michigan Gov. Rick Snyder finally conceded that Flint should stop using the river water and return to the Detroit water system.

Despite this move, though, city and state officials have continued to violate federal legal requirements for monitoring and sampling tap water for lead, notifying the public about water-testing results and maintaining corrosion control from Flint's lead pipes.

"So much irreparable harm has been done as a direct result of the failures and lack of oversight perpetrated by the City of Flint and Michigan officials who are the very people we relied on to keep us safe. This lawsuit gives me hope that this will stop and no other city will have to endure the physical, property, and emotional damage that Flint residents have," said Melissa Mays of Water You Fighting For, a Flint-based organization.

There is no safe level of lead exposure. The toxic effects of lead on virtually every system in the body, and particularly on the developing brains of young children, are well documented. It can also contribute to high blood pressure and other health problems in adults. Even low levels of lead in the blood have been shown to affect IQ, ability to pay attention, and academic achievement, effects that are irreversible.

The Notice of Intent to Sue was served on behalf of Concerned Pastors for Social Action, an association of religious leaders from Flint; Melissa Mays, a Flint resident; the ACLU of Michigan; and the Natural Resources Defense Council. The groups assert that since April 2014, the City of Flint and Michigan state officials have failed to monitor and control for lead in Flint's drinking water and maintain a program to assist Michigan schools with lead testing and remediation, in violation of the federal Safe Drinking Water Act. If City of Flint and Michigan state officials – including Governor Rick Snyder and Dan Wyant, Director of Michigan Department of Environmental Quality - do not remedy violations under the Safe Drinking Water Act within sixty days, the groups intend to file a lawsuit in federal court.

Flint and state officials have known since 2011 that choosing the Flint River as a drinking water source could result in lead contamination issues, due to its highly corrosive properties. Yet state and city officials insisted that the water was safe to drink - even after testing found dangerously high lead levels in some residents' tap water. Citizen concerns about high lead levels were dismissed by state and city officials as "near hysteri[cal]" and "irresponsible," despite well-established

evidence that there is no safe level of lead exposure, and that even low levels of lead in the blood have been shown to affect IQ, ability to pay attention, and academic achievement, effects that are irreversible.

The Notice of Intent to Sue is required under the Safe Drinking Water Act as a prerequisite to filing suit.

###

For nearly 100 years, the ACLU has been our nation's guardian of liberty, working in courts, legislatures, and communities to defend and preserve the individual rights and liberties that the Constitution and the laws of the United States guarantee everyone in this country. The ACLU of Michigan was officially established in 1959 as part of that mission.

The Natural Resources Defense Council (NRDC) is an international nonprofit environmental organization with more than 2 million members and online activists. Since 1970, our lawyers, scientists, and other environmental specialists have worked to protect the world's natural resources, public health, and the environment. NRDC has offices in New York City, Washington, D.C., Los Angeles, San Francisco, Chicago, Bozeman, MT, and Beijing. Visit us at www.nrdc.org and follow us on Twitter @NRDC.

If you would rather not receive future communications from Natural Resources Defense Council, let us know by clicking here.
Natural Resources Defense Council, 40 West 20th Street 11th Floor, New York, NY 10011 United States

--
Reporter | Huffington Post
(202) 624-9396 desk | [redacted]
Twitter @ArthurDelaneyHP

From: Wurfel, Sara (GOV)
Sent: Tuesday, November 17, 2015 10:06 AM
To: Mcbride, Bill (GOV); Agen, Jarrod (GOV); Dennis Muchmore; Agen, Jarrod (GOV); Beth Clement; Hollins, Harvey (GOV)
Subject: FW: request for comment on congressman's letter
Attachments: 111315 Update and Health Fund Request (Snyder).pdf

Please see below. Know we talked about this yesterday briefly at senior staff. What is status of response? Otherwise, will stick to basics and focus on moving forward piece, along with seeing if any specific updates from DEQ.

From: Ronald Fonger [mailto:RFONGER1@mlive.com]
Sent: Tuesday, November 17, 2015 9:53 AM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>
Subject: request for comment on congressman's letter

Hi Sara:
I've attached a copy of a letter Congressman Kildee sent to Gov. Snyder last week concerning Flint water issues.
I didn't know if there has been a formal reply and/or if you would want to comment on it.
Thanks,

Ron Fonger
MLive Media Group
Reporter

mobile [redacted]
email rfonger1@mlive.com
address 540 S. Saginaw St. #101, Flint MI 48502

DANIEL T. KILDEE
5TH DISTRICT, MICHIGAN

COMMITTEE ON
FINANCIAL SERVICES

SUBCOMMITTEE ON
HOUSING AND INSURANCE

SUBCOMMITTEE ON
MONETARY POLICY AND TRADE

SENIOR WHIP

DEMOCRATIC POLICY AND
COMMUNICATIONS COMMITTEE

Congress of the United States
House of Representatives
Washington, DC 20515

WASHINGTON OFFICE

227 CANNON HOUSE OFFICE BUILDING
WASHINGTON, DC 20515
(202) 225-3611
(202) 225-6393 (FAX)

DISTRICT OFFICE

111 EAST COURT STREET #3B
FLINT, MI 48502
(810) 238-8627
(810) 238-8658 (FAX)

WWW.DANKILDEE.HOUSE.GOV
/REPDANKILDEE
@REPDANKILDEE

November 13, 2015

Governor Rick Snyder
Executive Office of the Governor
P.O. Box 30013
Lansing, Michigan 48909

Governor Snyder:

I would like to provide you an update with some of the work we are doing in response to your letter on October 2, 2015 letter. I also have three requests of the state that are necessary to provide relief to the victims of the Flint water crisis.

First, Senator Stabenow, Senator Peters and I wrote a letter to the U.S. Environmental Protection Agency (EPA) asking for clarification on whether federal law permits states to use Safe Drinking Water State Revolving Funds (Revolving Funds) to finance the replacement of privately owned lead water service lines (attached). The EPA responded that the Revolving Funds can in fact be used for this purpose. My office immediately notified both your office and the Michigan Department of Environmental Quality of this fact.

Secondly, the three of us also wrote to Secretary Tom Vilsack requesting that the U.S. Department of Agriculture (USDA) provide greater clarification on the availability of "Ready to Feed" formula for recipients of Special Supplemental Nutrition Program for Women, Infants and Children (WIC) in Flint. Additionally, the letter asks to identify resources to improve the nutrition of Flint residents specifically as it relates to lead, because a certain diet can reduce some of the impact of exposure. The USDA is currently reviewing the letter.

Third, I have been working with the EPA on important revisions to the Lead and Copper Rule that would prevent a public health crisis like the one in Flint from happening again in other communities. I will be providing testimony at a meeting of the National Drinking Water Advisory Council next Wednesday, November 18 on what we have learned firsthand in Flint and the necessary improvements to the Lead and Copper Rule.

I will continue to pursue all of these avenues in order to find assistance for the people of Flint. There are, however, additional steps that need to be taken to remediate the damage done to the people of Flint due to the failures at the state government level, alongside the forgiveness of Flint's Revolving Funds loan debt if that becomes available. I urge state and local partners to work in coordination to fulfill the following requests.

- First, I request that the state of Michigan use its Revolving Funds and other state resources such as the rainy day and general funds to repair the damage done to Flint's water distribution system.

Due to the corrosive nature of the water, conservative estimates show there has been hundreds of millions of dollars of damage done to Flint's water distribution system. The damage to the system will increase maintenance costs resulting in higher rates for Flint water users, who already are burdened by the highest water rates in the state. Furthermore, the presence of over 15,000 lead service lines continues to threaten the quality of the water and creates the potential for future lead exposure through drinking water. As stated previously, the EPA has said that using the Revolving Funds for this purpose is allowed under federal law, and I request the state do so.

- Second, I request the state create a fund for ongoing assistance to the people of Flint to respond to the impacts of lead exposure.

The effects of lead are serious and permanent, with especially harmful impacts on young children and those with weakened immune systems. In discussions with health professionals, they have expressed the need for significant investments in the local health system in order to respond to the widespread exposure of lead to the people of Flint, including monitoring of future lead exposure. This fund should include support for, at a minimum, continuous health monitoring, early education programs, nutrition education, support services for children to succeed in school, and continued exposure prevention efforts. The investments we make now to combat the negative impacts of lead exposure will pay dividends in avoided costs in the future.

- Finally, I again ask that the state immediately reverse course and rescind Flint's obligation to provide $2 million for the cost of connecting to the Detroit water system and refund any money the city of Flint has had to pay.

Requiring a financially distressed city and its people to pay for the state's failures is an abdication of clear responsibility by the state. The state-appointed emergency manager was in charge of the city of Flint during the time that the decision to leave the Detroit system was made. The state – not Flint – created this water crisis, and the state needs to pay to fix it. The $2 million Flint spent to reconnect to the Detroit water system could be used for many other essential services in Flint, such as hiring policemen and firefighters, improving schools and maintaining parks.

In addition to state investments, I encourage the state to request assistance from federal agencies. They have extensive experience working with health, education and nutrition systems nationwide and could provide critical resources to state officials. Specifically, the Centers for Disease Control and Prevention has offered resources if the state requests it. I will work to support any efforts for federal assistance the state makes.

I look forward to working with the state and federal governments to not only provide clean drinking water to the people of Flint immediately, but also repair the damage done to the city's water system and give local health professionals the resources they need to combat the long term impacts of lead exposure.

Sincerely,

Dan Kildee
MEMBER OF CONGRESS

Cc:
Senate Republican Leader Arlen Meekhof
Senate Democratic Leader Jim Ananich
Speaker of the House Kevin Cotter
House Democratic Leader Tim Greimel

Subject:	RDS/GT/VB - KWA & DWSD (Water) Meeting
Location:	Governor's SE MI Office
Start:	Fri 4/19/2013 3:00 PM
End:	Fri 4/19/2013 4:30 PM
Show Time As:	Tentative
Recurrence:	(none)
Meeting Status:	Tentatively accepted
Organizer:	GovCalendar
Required Attendees:	Hichez, Amy (Treasury); Muchmore, Dennis (GOV); Wisniewski, Wendy (GOV); Rustem, William (GOV); Brader, Valerie (GOV); Tedder, Greg (GOV)
Optional Attendees:	Clayton, Stacie (GOV); Thelen, Mary Beth (DEQ)

[redacted]

Host: [redacted]– SClayton to dial in as Host

Attendees:
RDS/GT in person, Val Brader by phone
Mr. Orr by phone
Harvey Hollins by phone or in person
Attending from DWSD: Jim Fausone, Sue McCormick (Director), Nikki Bateson (CFO)
Attending from Flint: Ed Kurtz and Flint Mayor Dayne Walling
Attending from Treasury: Andy Dillon, Amy Hichez
Attending from DEQ: Dan Wyant
George Karmo from Tucker Young Jackson Tull Inc

From: Muchmore, Dennis (GOV)
Sent: Wednesday, September 10, 2014 11:59 AM
To: Clement, Elizabeth (GOV); Workman, Wayne (TREASURY); Saxton, Thomas (Treasury)
Subject: Fwd: John Gleason correspondence for the Governor
Attachments: JJG Letter to the Governor - Flint Water Concerns 09-10-14.pdf; ATT00001.htm

This issue is getting bigger all the time. How do we help the people of Flint?

Begin forwarded message:

> **From:** "Raleigh, Leslie" <lraleigh@co.genesee.mi.us>
> **Date:** September 10, 2014 at 11:55:03 AM EDT
> **To:** "Dennis Muchmore (muchmored@michigan.gov)" <muchmored@michigan.gov>, "Wendy Wisniewski (wisniewskiw@michigan.gov)" <wisniewskiw@michigan.gov>
> **Subject: John Gleason correspondence for the Governor**
>
> Good Morning Mr. Muchmore and Ms. Wisniewski,
>
> Attached, please find a correspondence from Genesee County Clerk John J. Gleason to Governor Rick Snyder. He would appreciate it very much if you could please forward on to the Governor's attention.
>
> Thank you and Best Regards,
>
> *Leslie A. Raleigh*
> Chief Deputy Clerk/Administrative Assistant
> 900 S. Saginaw St.
> Flint, Mi. 48502
> 810-257-3224
> lraleigh@co.genesee.mi.us

JOHN J. GLEASON
GENESEE COUNTY CLERK

OFFICE OF THE COUNTY CLERK
GENESEE COUNTY COURTHOUSE
900 SOUTH SAGINAW STREET
FLINT, MICHIGAN 48502

ADMINISTRATION (810) 257-3282
COURT RECORDS (810) 257-3220
ELECTIONS (810) 257-3283
VITAL RECORDS (810) 257-3225

September 10, 2014

Governor Snyder,

The recent water concern in the City of Flint has revealed two actions for future drinking water shortages.

In the past, the Flint area has used the National Guard water tanker for local road races. Also, daily water tankers fill our local swimming pools.

When we have large numbers of citizens that must use the "Boil the Water" process, why can't we use the tankers I mentioned above?

Flint has gone days without drinking water.

With such a basic life need, let's try some possible solutions! We could dispense the water at Senior Centers, community gathering locations, neighborhood schools and churches. This could be seen as a training experience for the National Guard or Reserves.

Governor, the need is there and the tankers are at hand.

Thanks for your time and please let me know what you think.

I hope this note finds you and your family in fine health.

Genesee County Clerk
John J. Gleason

From: Muchmore, Dennis (GOV)
Sent: Wednesday, September 17, 2014 10:14 AM
To: Smith, Paul (GOV); Wisniewski, Wendy (GOV); Arwood, Cheri (GOV)
Cc: Clement, Elizabeth (GOV); West, Samantha (GOV)
Subject: RE: FEMA request

I need to get something to Cong. Dingell and Cong. Levin if we want their help in this. I can't keep them in the dark and expect that they will jump up and say ok without seeing the request. I need some lead time before it is filed so they feel included. The two of them can get this done on their own with Carl if we just help them.

From: Smith, Paul (GOV)
Sent: Wednesday, September 17, 2014 10:12 AM
To: Wisniewski, Wendy (GOV); Arwood, Cheri (GOV)
Cc: Clement, Elizabeth (GOV); Smith, Paul (GOV); Muchmore, Dennis (GOV); West, Samantha (GOV)
Subject: Re: FEMA request

Cheri,

Is the request ready to go?

Sent from my iPad

On Sep 17, 2014, at 10:10 AM, "Wisniewski, Wendy (GOV)" <wisniewskiw@michigan.gov> wrote:

> Dennis asked me to send you an email asking if the FEMA request is ready to go.
>
> **Wendy Wisniewski**
> Executive Assistant to Dennis Muchmore,
> Beth Clement and Greg Tedder
> Executive Office of Governor Rick Snyder
> George W. Romney Building, 2nd Floor
> 111 South Capitol Avenue
> P.O. Box 30013
> Lansing, MI 48909
> (517) 241-5601
> WisniewskiW@michigan.gov

From: Stibitz, Brom (Treasury)
Sent: Monday, March 04, 2013 4:00 PM
To: Muchmore, Dennis (GOV)
Cc: Dillon, Andy (Treasury)
Subject: Flint Water Bills
Attachments: Water Forum - Final.ppt; WATER RATES deposits.doc

Follow Up Flag: Follow up
Flag Status: Flagged

Dennis,

There is some information attached on the Flint water issue you asked us about. I summarize a few of the key points:

- The water system has been running at deficits for years. When the previous EFM left the City in 2004, the water system has a reserve of approximately $60 million. When Mike Brown was appointed, this had turned into a $20 million deficit due to years of not passing along to consumers the rate increases of over 10% hitting the system from DWSD. Slides 5 & 6 of the attached power point show this pretty dramatically.
- Substantial increases over the past few years are an attempt to reflect the actual costs of running the system.
- Another concern raised by DHS was the increase in the deposit for rental properties. This was necessary because renters paid the previous $100 deposit, then racked up water bills in excess of this amount and walked away. Of the affidavits currently out there, 82% are past due. I would also note that this is not mandatory, it is only required if a landlord is not willing to put the water bill in their name.
- The bottom line is that they realize it is an issue, but the General Fund doesn't have the money to run general City operations, much less subsidize water rates.

The two page word document (attached) provided by the EFM gives you a good overview of what is going on. They believe that a switch to KWA is part of the solution for high water rates in the City.

Brom

City of Flint

Water Forum

5/31/2012

City Of Flint Water Forum

CONTENTS

Water History Facts 3

Frequently Asked Questions 4

Budget Allocation and Fund Expenses 5

Asset / Revenue Charts 6

Recent Timeline of Water and Sewer Funds 7

City of Flint - Water and Sewer System Additional Asset / Revenue Data 8

Calculation of Water and Sewer Rates for FY13 Budget 9

Example Water Bill 10

Turn-off Policy 11

Preliminary Options for Future City of Flint Water Sources 12

Improvements for City of Flint Water System 13

City Of Flint Water History Facts

Current Treatment Plant was put into service in 1954.

Current 72" main pipeline was completed in 1970.

Flint signed a 30 year contract with Detroit Water and Sewer Department in the mid 1960's.

The contract with DWSD has expired and we are currently operating on a yearly extension.

In 2006 Flint completed a $48,000,000 upgrade of the existing Water Plant (required by the MDEQ & for backup only).

Flint's Water & Sewer System is approximately a $300,000,000 Enterprise.

Flint's Water & Sewer System is designed to deliver water to over 200,000 people with over 1,500 miles of infrastructure.

Flint's most recent census count shows a population of approximately 102,000 in 2010.

Flint's census population in 2000 was approximately 124,000.

The water system had over 45,000 customers in June of 1999.

The water system had just over 36,000 customers by June 2011.

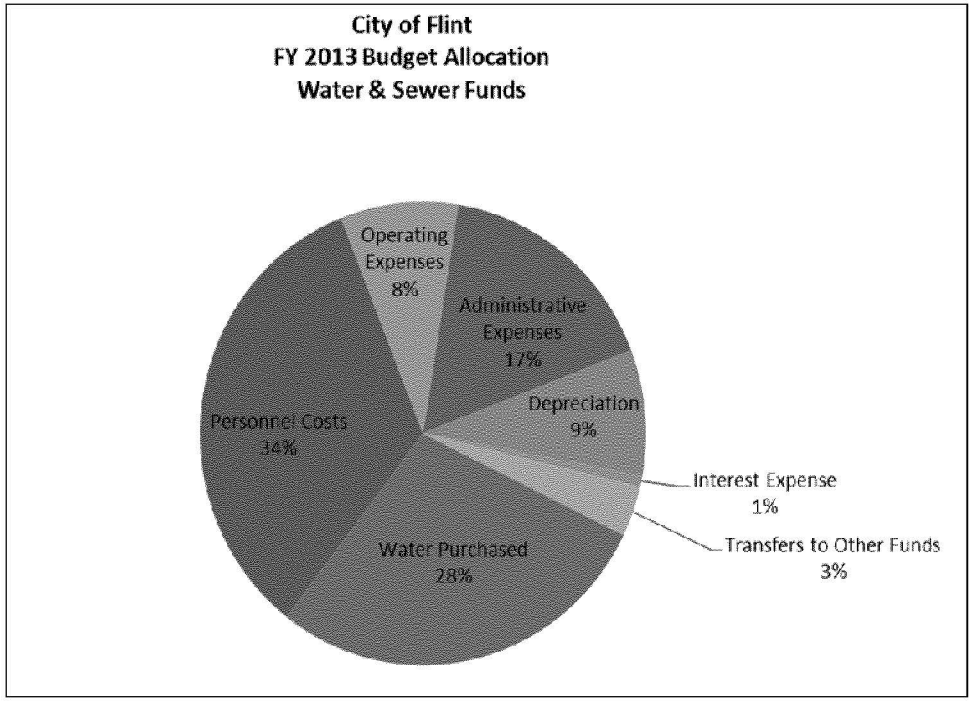
The "Fixed Costs" that must be covered to maintain the system and deliver quality water have increased over time.

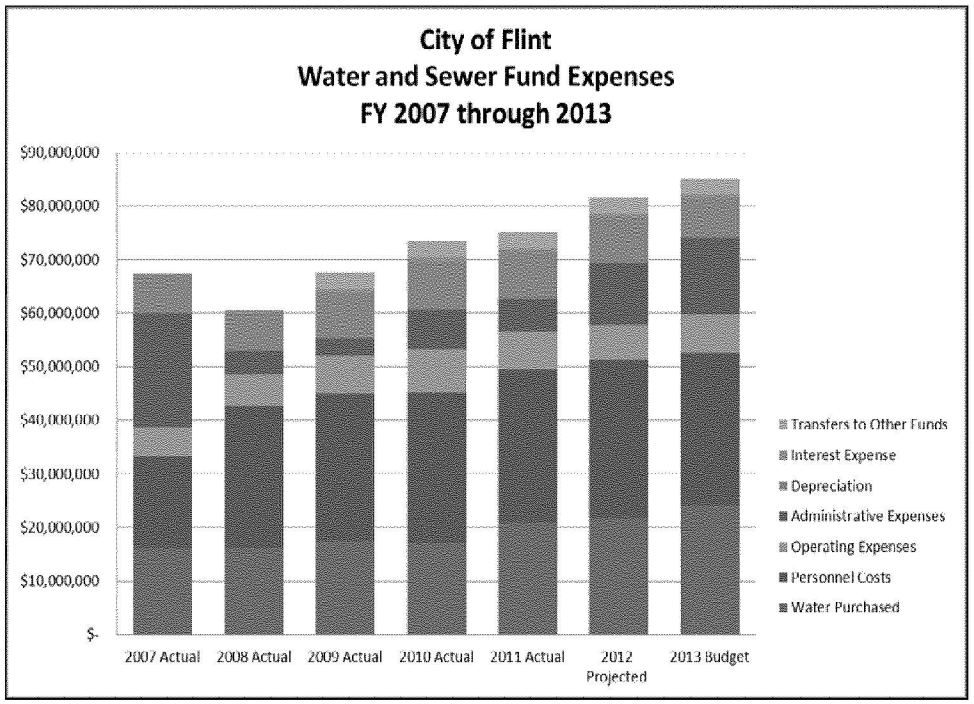
City Of Flint
Most Frequently Asked Questions about Water

- ❑ Why are the water rates so high ?
- ❑ How does my water bill work (Explanation of charges) ?
- ❑ Why do others in the area pay less for the same amount of water ?
- ❑ Where has all of the water and sewer fund money gone ?
- ❑ What do I do if I think my bill is incorrect ?
- ❑ What effect does leakage or theft have on my bill ?
- ❑ How can I report water theft ?
- ❑ Why don't we go back to using the Flint River like we once did ?

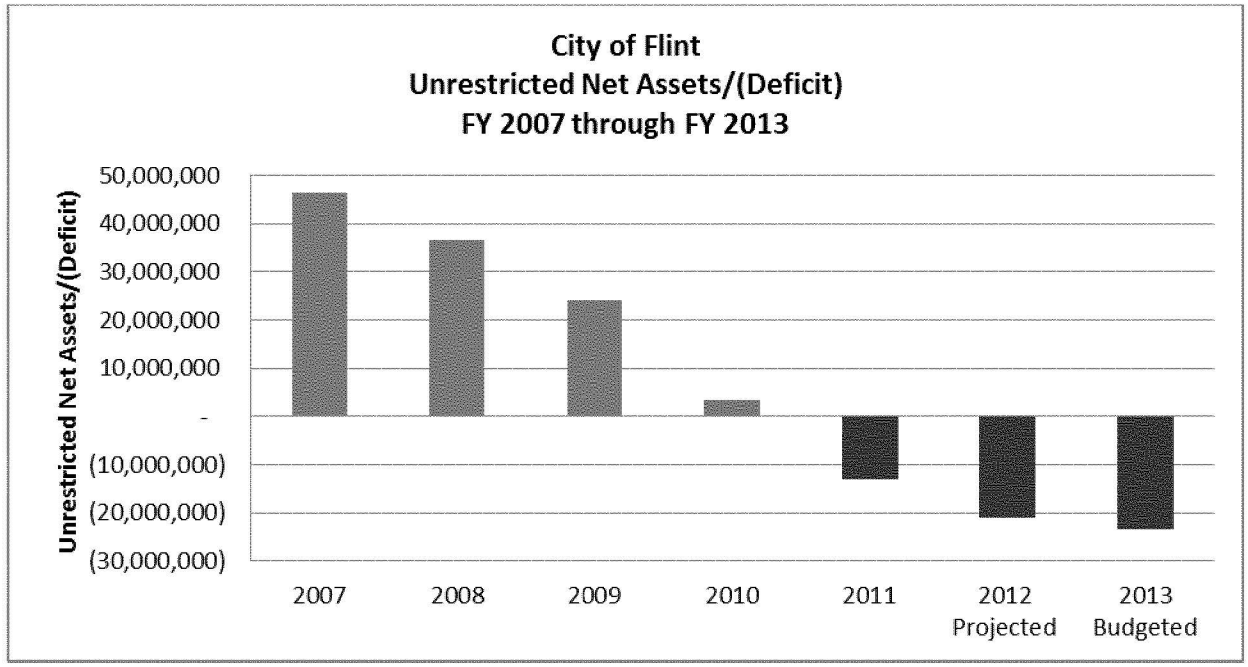
City of Flint

Budget Allocation and Fund Expenses

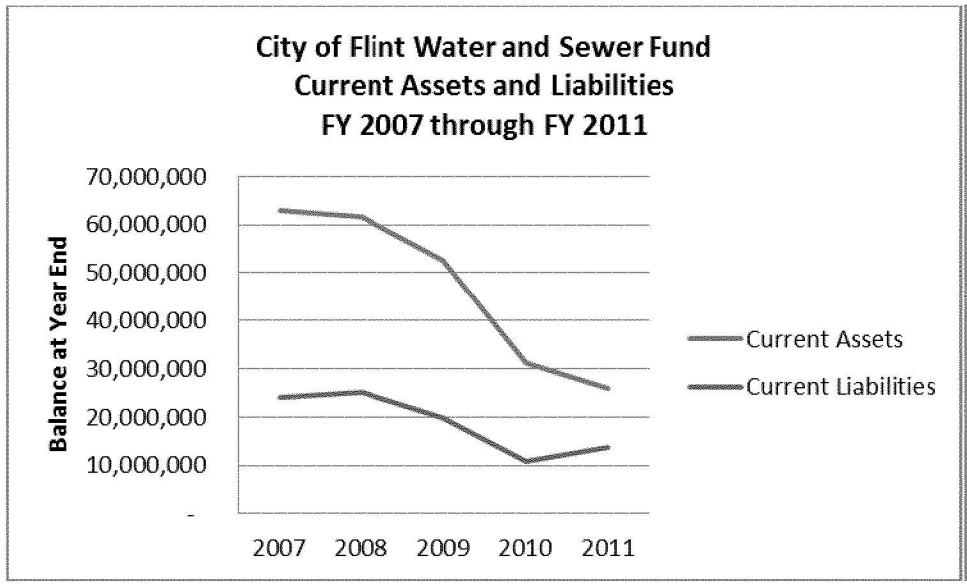


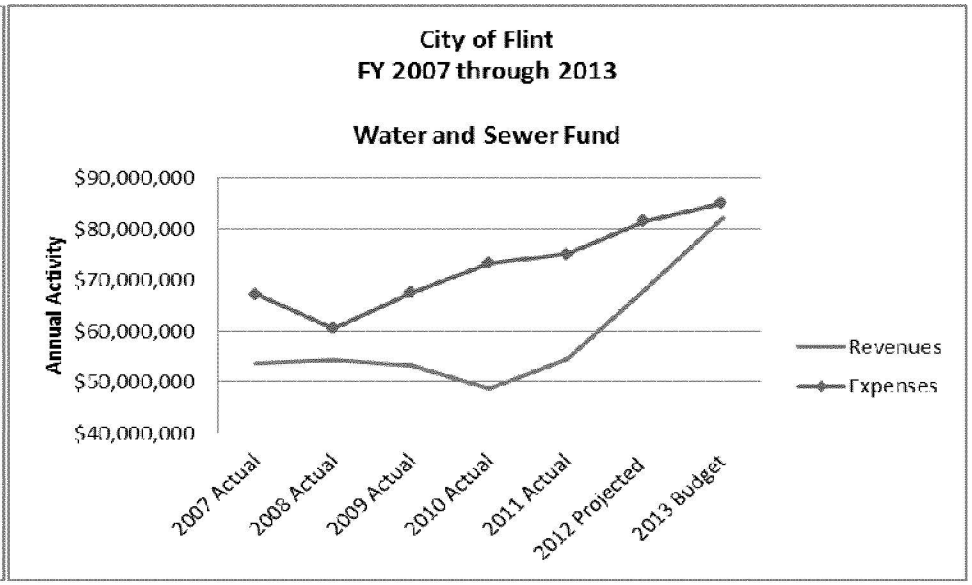


	Audited						
	2007 Actual	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Projected	2013 Budget
Operating Revenues	51,090,679	51,100,332	51,906,553	47,926,589	54,385,644	67,983,044	81,734,552
Other Revenues	2,627,939	3,274,450	1,442,383	764,886	68,645	126,670	455,867
Annual Revenues	53,718,618	54,374,782	53,348,936	48,691,475	54,454,289	68,109,714	82,190,419
Water Purchased	16,052,006	16,297,871	17,421,663	17,103,752	20,919,987	21,756,787	24,031,417
Personnel Costs	17,292,444	26,302,590	27,591,206	28,149,946	28,618,817	29,640,499	28,546,350
Operating Expenses	5,355,638	6,145,119	6,950,534	8,146,390	6,917,964	6,420,260	7,259,290
Administrative Expenses	21,300,900	4,229,382	3,403,231	7,327,630	6,221,627	11,465,462	14,140,047
Depreciation	7,217,142	7,132,870	8,364,022	8,854,889	8,689,809	8,615,000	7,500,000
Interest Expense	86,632	485,499	868,031	812,270	754,890	705,150	644,314
Transfers to Other Funds	-	-	2,990,000	2,990,000	2,990,000	2,990,000	2,990,000
Annual Expenses	67,304,762	60,593,331	67,588,687	73,384,877	75,113,094	81,593,158	85,111,418



	2007 Actual	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Projected	2013 Budget
Revenues	53,718,618	54,374,782	53,348,936	48,691,475	54,454,289	68,109,714	82,190,419
Expenses	67,304,762	60,593,331	67,588,687	73,384,877	75,113,094	81,593,158	85,111,418

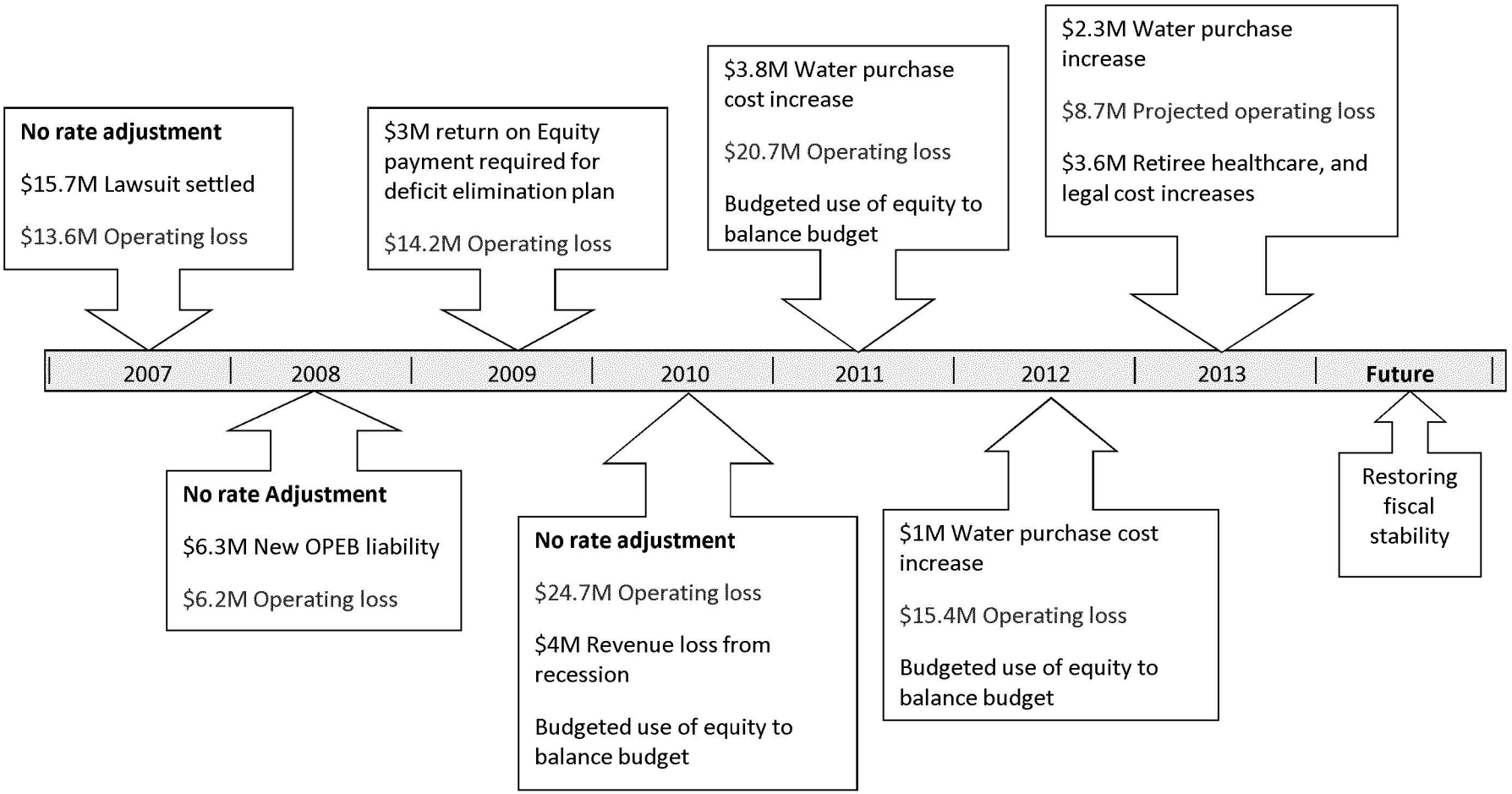




City of Flint

Recent Timeline of Water and Sewer Funds

FY 2007 through 2013



City of Flint- Water and Sewer System Additional Asset / Revenue Data

The average annual residential water sewer bill in FY2005 was less than $700 annually
The average annual residential water/ sewer bill in FY13 will be nearly $1,700

Expenses have exceeded revenues every year since 2006:

FISCAL YEAR	Rate Base	Revenues	Expenses	Revenues Minus Expenses	Unreserved System Equity	FACTORS IMPACTING SOLVENCY			COST IMPACT
2006	2005	$55,204,242	$50,933,792	**$4,270,450**	**$60,340,013**				
									(millions)
2007	2005	$53,856,857	$67,442,993	($13,586,136)	$46,399,452	No rate adjustment			??
						$15.7 million lawsuit settlement	15.7	0	$15.7
2008	2005	$54,374,781	$60,593,331	($6,218,550)	$36,482,488	No rate adjustment			??
						OPEB liabilities added	3.6	2.7	$6.3
2009	2009	$53,488,463	$67,728,218	($14,239,755)	$24,023,065	ROE payment added as part of City [	1.9	1.1	$3.0
2010	2009	$48,820,329	$73,513,725	($24,693,396)	$3,531,768	No rate adjustment			??
						Use of retained earnings budgeted	12.5	0.5	$13.0
						Revenue lost due to recession	2	2	$4.0
2011	2011	$54,527,079	$75,185,879	($20,658,800)	($12,866,607)	Use of retained earnings budgeted	7.1	3.5	$10.6
	2011					Water purchase cost increase	0	3.8	$3.8
2012		$68,279,187	$83,682,840	($15,403,653)	($20,884,122)	Use of retained earnings budgeted	5.1	0	$5.1
						Water purchase cost increase	0	0.8	$0.8
2013	2013	$82,220,420	$90,970,420	**($8,750,000)**	**($23,379,690)**	Water purchase cost increase	0	2.3	$2.3
						RHC/Legal/Admin Cost Allocation	2.1	1.5	$3.6
				($99,279,840)					$68.2

Calculation of Water and Sewer Rates for FY13 Budget

March, 2012:

	Expense Projection Based on FY12 Costs	Revenue Projection Based on FY12 Receipts	Difference Between Projected Revenues and Expenses	Rate Increase Necessary To Close Gap
Water	$49.9	$44.4	-$5.5	12.4%
Sewer	$31.0	$21.4	-$9.6	44.9%
TOTAL	$80.9	$65.8	-$15.1	22.9%

CITY of FLINT, MICHIGAN
WATER &/OR SEWER BILL

Service at: 5810 BALDWIN BLVD

TREASURER
CITY OF FLINT
P.O. BOX 1950
FLINT, MI 48501

PRESORTED
FIRST CLASS MAIL
US POSTAGE PAID
CITY OF FLINT

3419 Active

ACCOUNT NUMBER	DUE DATE
BALD-005810-0000-01	02/28/2012

NET AMOUNT DUE
147.85

RETURN THIS STUB WITH YOUR PAYMENT

Seq=3138

**AUTO [redacted]

00000376810000014785022820120000014913777O6

KEEP THIS PORTION FOR YOUR RECORDS

LAST READ/DATE/TYPE		NEW READ/DATE/TYPE		CONS	SERVICE	CHARGE
361	01/05/2012 A	363	02/03/2012 A	2	Sewer Non-metered	6.62
					Sewer Svc Chrg	22.07
					Water	13.36
					Water Svc Chrg	19.36

Prev. Balance	161.08
Payments	-75.00
Adjustments	0.00
Current Penalty	0.36
New Charges	61.41
Total Due	147.85
Due Date	02/28/2012

ACCOUNT: BALD-005810-0000-01 SERVICE AT: 5810 BALDWIN BLVD

PENALTY ASSESSED 30 DAYS AFTER DUE DATE

CITY OF FLINT
DEPARTMENT OF FINANCE

Customer Service Center

Dayne Walling
Mayor

Douglas Bingaman
Treasurer

CITY OF FLINT
WATER NON-PAYMENT TURN-OFF POLICY

1. Water services to any customer may be shut off if the account is not paid until after 30 days after the due date. (City ordinance 46-52 (h))

2. Non-payment turn-offs are done only Monday through Thursday. The Customer Service Center does not schedule non-payment turn-offs on Fridays, Saturdays, Sundays, or most recognized holidays.

3. Illegal usage, broken payment arrangements and NSF (non-sufficient funds) turn-offs are done at any time without additional notice.

4. Turn-off notices are mailed to delinquent customers fifteen (15) days before actual turn-off.

5. The water customer is responsible for maintenance of all plumbing in the premises including connection to City water mains or sewer lines.

6. If a customer disputes a water bill and is unable to resolve the issue with Customer Service personnel, the customer may request an administrative review. Further information on any water account may be obtained by calling (810) 766-7015 or visiting the Customer Service Center at 1st Floor, City Hall, 1101 S. Saginaw St.

Preliminary Options for Future City of Flint Water Sources

Consider a New Negotiated Contract with Detroit Water and Sewer Department

PRO'S	CON'S
No upfront capital costs	Lack of control over new / fixed changes
Possibility to negotiate a lower rate	Past practices
Ability to "Blend" water sources to further control costs	

Consider a Contract with the Karegnondi Water Authority

PRO'S	CON'S
Voting member of KWA board	Capital cost (debt service)
Ability to "Blend" water sources to further control costs	Uncertainty of final costs
Raw water is an asset for attracting new buisnesses	

Blended Use of the Flint River

PRO'S	CON'S
Helps control cost of water	

*** CURRENTLY NO DECISIONS HAVE BEEN MADE REGARDING THE FUTURE WATER SOURCE

Improvements for City of Flint Water System

Reduce Leakage

- **Finalize a Preventative Maintenance Plan**
  - (Planning started in January 2012, requires funding, … part of Operational Costs)
  - Will help identify repair area's

- **Reduce water theft**

- **Replace water meters**
  - We currently have an eighteen month plan to replace all meters with more efficient *"Smart Meters"*

- **Encourage routine household checks**
  - "Faulty" toilets are a significant reason for household water loss. and unexpected larger bills.

Other Leakage concerns

- ✓ Transmission Loss
- ✓ Fire Hydrants
- ✓ Incorrect water bills
- ✓ Non-Payment

City of Flint Water Fund

Proprietary Funds Revenues, Expenditures, and Changes in Net Assets
Fiscal Year Ended June 30

	2007	2008	2009	2010	2011	2012 Projected	2013 Budget
Current Assets	17,248,277	16,155,282	13,213,411	9,092,746	9,295,966		
Current Liabilities	7,053,131	7,039,015	6,796,178	8,287,409	11,736,286		
Capital Assets, net of accumulated depreciation	34,453,626	57,264,585	55,977,802	54,419,070	52,253,233		
Revenue Bonds, long-term portion	33,759,432	31,804,432	30,156,259	28,116,259	25,925,336		
Unrestricted Net Assets/(Deficit)	12,183,661	8,396,496	2,694,056	(5,795,973)	(12,443,265)	(13,237,665)	(12,733,233)

City of Flint Sewer Fund

Proprietary Funds Revenues, Expenditures, and Changes in Net Assets
Fiscal Year Ended June 30

	2007	2008	2009	2010	2011	2012 Projected	2013 Budget
Current Assets	45,805,754	45,515,711	39,299,954	22,199,959	16,496,427		
Current Liabilities	17,117,109	18,000,968	12,928,688	2,570,710	1,894,249		
Capital Assets, net of accumulated depreciation	76,913,051	73,794,673	74,719,675	70,200,627	65,736,675		
Revenue Bonds, long-term portion	-	-	-	-	-		
Unrestricted Net Assets/(Deficit)	34,215,792	28,085,991	21,329,011	9,327,738	(423,349)	(7,646,457)	(10,646,457)

Water and Sewer Combined

	2007	2008	2009	2010	2011	2012 Projected	2013 Budgeted
Current Assets	63,054,031	61,670,993	52,513,365	31,292,705	25,792,393		
Current Liabilities	24,170,240	25,039,983	19,724,866	10,858,119	13,630,535		

Response to Treasury regarding water rates, etc.

The cost of water and sewer in the City of Flint has become one of the most vexing issues facing the Emergency Financial Manager. When the Emergency Manager was appointed in December 2011 the water system had a $20 million deficit. In order to address this deficit the EM was forced to increase water and sewer rates by over a combined 120% in the past 18 months.

When the previous EFM left the City in 2004, the water system has a reserve of approximately $60 million. In the intervening years several things occurred: for three of five years (2007-2011) no rate increases were passed along to customers even though Detroit charged increases of over 10% per year; in the years when increases were passed along those amounts did not equal the actual cost of the system; the City chose to use the equity built up in the Water and Sewer funds until that was no longer available; a large lawsuit was settled; the City must pay for the $48 million MDEQ upgrades required at the Water Treatment Plant; and unbilled or unpaid water and sewer charges increased significantly.

In the past 18 months water and sewer rates have been increased to reflect the actual costs to operate the water and sewer system. Major leaks in the distribution system have been repaired. Unpaid water and sewer usage is now being addressed and the water affidavit process is part of this problem.

The City of Flint currently allows landlords to put the water and sewer billing in the name of the renter. This affidavit process holds the landlord harmless for any water costs. The deposit for the affidavit has been set at $100, which is the lowest in the County. The deposit fees in the County range from a low of $100 to a high of $500. The City is raising its rate to $350, which puts us about in the middle of the range. Depending on usage, this will cover 60 to 90 days' water charges and reduce the amount of uncollected billing. Keep in mind, any water not paid for is eventually charged to those who do pay through increased rates.

Because the deposit is so low in relation to the current charges, renters quickly owe more than the deposit, and find it easier to simply walk away from the rental and forfeit the deposit. This results in the City being on the hook for the unpaid bills. Currently there are 4,893 affidavits, and 4029 of them (82%) past due. This facctor alone totals to just under $3 million. In addition, when the renter walks away, the City has no way of knowing that the property is vacant. Many times the landlord rents the property again, without filing an affidavit, and the water continues to be charged to the former renter, again adding uncollected bills to the City. In the past the collection rate for past due accounts, when turned over to a collection agency, has been about 3% on average. Keep in mind that this is a deposit, not a fee, and can be refunded when the renter leaves the property. Also, the landlord can avoid the renter's deposit requirement by keeping the water and sewer billing in his name.

The City is also studying the potential to hold the landlord accountable for the water charges under certain conditions, such as failure to notify the City when a renter leaves and then renting the property again without filiing a new affidavit.

The City recognizes that the high cost of water is a factor which is causing low income residents to choose to leave the City and the increase in the deposit fee might accelerate that choice. However, many of the surrounding communities charge a higher deposit than does the City o Flint. Renters are leaving the City because they can get better housing for less money, live in safer neighborhoods with better schools, have their water charges decrease by about half, and have their insurance rates reduced by approximately 50%.

Water and sewer costs have resulted in about 8,000 current customers to be more than 60 days past due. Many are senior citizens who have lived in Flint their entire life, paid their taxes, etc. and now find themselves unable to pay their water bill. This concerns the City more than the issue of deposits. We have put in place for this year the ability for citizens to direct a part of their city tax refund to help people with their water bills, and we are reviewing other options as well as scheduled meetings with agencies involved in helping low income people with their bills.

We further recognize that we have staffing issues and water theft to address. The City is able to complete about 120 water shut-offs per week. At that rate we can not keep up with delinquent account shut-offs. The city also reconginzes that water theft through meter by-pass or unauthorized turn-on must be resolved.

Ultimately, the City must find a way to hold down future increases in the cost of water, to bring them more in line with the Genesee County water customers. To this end the City has recommended to Treasury, that the City leave the Detroit Water System and join KWA with Genesee County, Lapeer and Sanilac Counties and the City of Lapeer. We believe this is the most significant long term factor in stabilizing costs to the water customers in the City of Flint.

From: Dillon, Andy (Treasury)
Sent: Tuesday, March 26, 2013 8:04 AM
To: Muchmore, Dennis (GOV); Rustem, William (GOV); Roberts, John (GOV)
Subject: Fwd: Flint Water

Sent from my iPad

Begin forwarded message:

> **From:** "Saxton, Thomas (Treasury)" <SaxtonT@michigan.gov>
> **Date:** March 26, 2013 7:57:47 AM EDT
> **To:** "Stibitz, Brom (Treasury)" <StibitzB@michigan.gov>, "Dillon, Andy (Treasury)" <DillonA2@michigan.gov>
> **Subject: Flint Water**
>
> Fyi... in case you missed it I heard about this on the news this a.m.
>
> Flint City Council approves resolution to buy water from Karegnondi, state approval still needed
> By Dominic Adams | dadams5@mlive.com
> on March 25, 2013 at 10:45 PM, updated March 26, 2013 at 1:28 AM
> FLINT, MI – Flint is one step closer to getting its water from Lake Huron as part of the Karegnondi Water Authority.
> The vote, approved 7-1 at the Flint City Council meeting Monday, March 25, may have set in motion the end to Flint paying to get its water from Detroit.
> Under the proposal, Flint would get 16 million gallons per day of raw water from Lake Huron, pipe it to Flint for treatment and then sell it to customers throughout the city. Another 2 million gallons per day would come from the Flint River and will be treated in Flint.
> Mayor Dayne Walling said the Department of Environmental Quality must approve Flint's getting 2 million gallons per day from the Flint River.
> Tuesday's meeting followed weeks of discussions and special meetings surrounding the resolution.
> "We got there," Councilman Joshua Freeman said. "That's the important thing."
> There were more than 50 people at Monday's meeting.
> "Going with Karegnondi is the best decision. We have no opinion on the economics of the decision," said Rebecca Fedewa, Flint River Watershed Coalition executive director. "If we start drawing water out of the Flint River, we are at risk of having to start releasing water from our reservoirs."
> Genesee County Drain Commissioner Jeff Wright said the decision must still be approved by a county water and waste advisory board. The KWA board will then be reconvened for final approval.
> Wright said construction could start in May.
> State treasury officials still must approve the city council's move because Flint has an emergency financial manager. All expenditures over $50,000 must be approved.
> Genesee County Drain Commissioner Jeff Wright has said that Flint would pay roughly $6.4 million annually for water service if it joined the pipeline – a nearly $4 million savings on what it

pays Detroit for water.
Walling previously said the city would save $19 million over eight years by getting water from the KWA.
"It's a historic night in the City of Flint," Walling said. "The savings will be less with the capacity level approved by city council because there will be increased treatment cost for the river water."
He said the DEQ told the city it needed to get 18 million gallons per day or there would have to be additional work done at Flint's water plant.
Flint's water plant and the Flint River is currently the backup for Flint and Genesee County, however, the plant only operates four times per year.
Councilman Bryant Nolden was the lone dissenting vote.
"It was a protest vote," Nolden said. "I knew they had enough votes. I just feel like the Flint River is our best option."
Karengnondi is the regional water authority that includes Genesee, Lapeer and Sanilac counties and the cities of Flint and Lapeer.
Flint is the second municipality, behind Genesee County, to officially decide to purchase raw water through the KWA. Lapeer city officials said they intend to purchase water, but an agreement has been finalized.
Dominic Adams is a reporter for MLive-Flint Journal. Contact him at dadams5@mlive.com or 810-241-8803. Follow him on Twitter, Facebook or Google+.

© MLive.com. All rights reserved.

From: Dillon, Andy (Treasury)
Sent: Thursday, March 28, 2013 1:36 PM
To: Stibitz, Brom (Treasury); Wyant, Dan (DEQ); Saxton, Thomas (Treasury); Rustem, William (GOV); Muchmore, Dennis (GOV); Roberts, John (GOV)
Subject: Fwd: DWSD & Flint
Attachments: [Untitled].pdf

FYI

Sent from my iPad

Begin forwarded message:

> **From:** "Fausone, Jim" <JFausone@fb-firm.com>
> **To:** "Dillon, Andy (Treasury)" <DillonA2@michigan.gov>
> **Subject: DWSD & Flint**
>
> Andy - here is the information you requested. Let me know if you need more information. As we move into DWSD 2.0 without federal court supervision, I can hear the chanting "free at last…free at last" .Seriously this should make it easier to work things out with Flint and DWSD 2.0 if they want to work it out or get told to do it. Jim
>
> James G. Fausone
>
> [cid:image002.jpg@01CE2BAB.E4A45520]
>
> 41700 West Six Mile Road, Suite 101
> Northville, Michigan 48168-3460
> (248) 380-0000 tel. ext. 1818
>
> (248) 380-3434 fax
>
> jfausone@fb-firm.com<mailto:jfausone@fb-firm.com>
>
> www.fb-firm.com<http://www.fb-firm.com/>
>
> Check out our Legal Help for Veterans practice group at www.legalhelpforveterans.com<http://www.legalhelpforveterans.com/> or www.youtube.com/legalhelpforveterans<http://www.youtube.com/legalhelpforveterans>

This message is intended only for the use of the individual or entity to which it is addressed, and may contain information that is privileged, confidential and/or exempt from disclosure under applicable laws. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and/or reply to the e-mail message. Thank you.

FAUSONE BOHN, LLP

City of Detroit
Water And Sewerage Department
General Administration

735 Randolph Street
Detroit, Michigan 48226
www.dwsd.org

March 28, 2013

Andy Dillon, State Treasurer
Michigan Department of Treasury
Lansing, Michigan 48922

Dear Treasurer Dillon,

We understand that you are tasked with evaluating the merit for the City of Flint to cede from participation in the DWSD water system. For the following reasons, we represent to you that Flint's continuance in the present system is not only what is best for the City of Flint and Genesee County, but for the entire DWSD customer base.

Background

Water is provided by DWSD to the City of Flint via a 72" water main that runs west from a booster pumping station at Imlay City. Water purchased by Flint is then sold to its customers in the City of Flint and to Genesee County. The City of Flint and Genesee County are evaluating the construction of a new raw water supply system as members of the Karegondi Water Authority (KWA). The decision point is whether the City of Flint is best served by KWA or DWSD. Genesee County is not bound by Flint's decision. For this discussion, however, the emphasis is on Flint which encompasses its customer Genesee County.

The items presented below are based on a brief staff analysis of water quality, system capacity, capital, and financial considerations of the loss of Flint as a DWSD customer.

Water Quality

If the 72" water main is idled, there will be water quality issues for remaining customers on that line.

- ✓ The 72" main to feed Lapeer, Mayfield and Imlay City will need to be modified based on their comparatively low consumption at 12% of the flow. That pipeline will be too large to support the reduced demand which presents water quality issues.
- ✓ System users along the water transmission line in Lapeer, Mayfield, and Imlay City may experience water quality problems due to reduced disinfection levels associated with stagnant water. Solutions include abandoning the 72" main and replacing it with a smaller diameter pipe or adding facilities to re-chlorinate and disinfect the water a second time. The latter option is problematic because re-chlorination results in higher levels of disinfection byproducts.
- ✓ The Lake Huron Plant ("Plant") will require modifications to address water quality issues for Lapeer, Mayfield, and Imlay City. That cost is unknown.
- ✓ The Imlay Booster Station ("Station") will also need modification to feed Lapeer, Mayfield, and Imlay City. An estimated cost is $1 million.

- ✓ The true water quality impact would need to be confirmed through a study or the master planning effort. These concerns and alternatives are based on a brief analysis.

Excess Capacity of a Public Utility

- ✓ If DWSD is not supplying Flint with water, then there will be three high capacity pumps at the Station which will be significantly underutilized.
- ✓ DWSD currently has treatment capacity of 1.7 BGD, which is easily expandable to close to 2.0 BGD with infrastructure already in place at the Plant. Meanwhile current max day use of the DWSD System is only about 1 BGD.
- ✓ Although more than one DWSD facility is able to provide water to Flint, the reduction in use as represented at the nearest water treatment plant would result in excess capacity of up to 70% at the Plant.
- ✓ The water line servicing Flint is approximately 25 miles long (extending from Imlay City to Flint). That line would have no use if Flint joins KWA.

Impairment of Ratepayer Funded Assets

- ✓ Twenty-five miles of water line would likely be abandoned.
- ✓ Three pumps at the Station would also be idled.
- ✓ The net book value of the water line is at least $5M.
- ✓ In addition, improvements were completed at the Station in 2012 which serves Flint and other customers. The construction cost was $44 million.
- ✓ DWSD has in good faith preserved the terms and conditions of the 1965 service agreement with Flint which expired in 2000. Beginning in the 2000s DWSD and its wholesale water customers collaborated on a new model contract. Since that time, DWSD and 73 of its wholesale water customers have entered into new model contracts. The model contract provides for DWSD to recoup the costs of customer specific constructed facilities in the event that the contract is terminated.

Financial Implications to Other DWSD Ratepayers

The estimated immediate impact of the loss of Flint is an increase in rates to address a net revenue shortfall of approximately $22 million, or 6 percent of total DWSD water revenue. The long-term impact would require further analysis to evaluate the capital investment and increases in cost to address the operational concerns noted earlier. The immediate impact estimate is based on the FY 2013-14 DWSD financial plan as explained below.

- ✓ Flint volume (including Genesee County) represents approximately 7.4% of the suburban wholesale water sales, and 5.9% of the total water sales (including Detroit retail accounts) based on approximately 1.2 million Mcf of water sales.
- ✓ The allocated revenue requirement totals $24.23 million, which is approximately 8.3% of the suburban wholesale revenue requirement, and 6.6% of the total revenue requirement (including Detroit retail).

- ✓ At most, variable cost savings of not providing service to Flint is 7 to 10 percent, or roughly $2 million.
- ✓ The City of Flint's and Genesee County's revenue split is approximately equal. Loss of Genesee customers to KWA while maintaining the City of Flint as a customer would reduce the rate and dollar amounts above by half.
- ✓ DWSD ratepayers will incur the cost of operational changes at the Plant and the Station to address the water quality issues noted above, although charges to Flint during the KWA construction period would be evaluated.
- ✓ These amounts exclude the new capital investment for transmission piping for customers in the areas served by the Station and potentially at the Plant. Additional costs would be incurred to resize the water main to assure compliance with water quality standards.

Financial Risk

The ability to manage the financial risk for the City of Flint is especially precarious given its financial condition. As recently as yesterday, the frailty of the City's fiscal capacity is described by the present emergency financial manager in the Bloomberg News. The bottom line is that KWA's optimistic project with a cost of $272M ($82M attributable to Flint KWA's proposal) poses an undue financial risk to the public given that a system with reliable, excess capacity is readily available through DWSD. That risk is even greater based on the Tucker, Young, Jackson, Tull report that the KWA costs are underestimated by $100 million.

DWSD is undergoing monumental efforts to confront long-term operational and capital costs. The recent water rate adjustment was the lowest in decades, staff at all levels is actively involved in an organizational optimization process facilitated by EMA, there is an increased emphasis in long-term financial planning, and the transparency of these efforts is evident through more than a dozen customer-centric committees. Proactively addressing our borrowing costs and financial outlook is paramount to our mission. We understand the challenges that confront a public utility.

The bottom line is that Flint's financial flexibility will be impaired for generations by abandoning the DWSD system to participate in KWA. Duplicating the available capacity will expose them to a very large fixed cost obligation. As water utilities continue to experience reduced demand, the fixed costs component for capital, operating, and debt decrease the cost sharing base. For this reason, DWSD provides its customers the ability to adjust demand to control their costs.

Going Forward

DWSD is committed to the viability of Flint's water needs. Going forward there may be ways that DWSD can provide technical assistance and collaboration to the City of Flint. This includes methodologies to address its high water loss ratio, shut-off program, and capital planning needs. DWSD has fostered a strong customer community through its outreach program. We encourage Flint to become engaged with these resources. Finally, DWSD has demonstrated an earnest interest by offering service options specifically tailored for Flint's needs through a flexible contract approach. We look forward to reaching a long-term, viable solution to provide Flint a safe, reliable, cost-effective water system.

Sincerely,

Nicolette N. Bateson, CPA
Chief Financial Officer
Detroit Water & Sewerage Department

From: Stibitz, Brom (Treasury)
Sent: Thursday, April 18, 2013 5:59 PM
To: Dillon, Andy (Treasury); Roberts, John (GOV); Stibitz, Brom (Treasury); Saxton, Thomas (Treasury); Muchmore, Dennis (GOV)
Subject: KWA Background Materials
Attachments: KWA SUMMARY FOR GOVERNOR Version I 04-18-13.pdf; KWA and City of Flint.pdf; Dillon KWA.PDF; UPDATED FLINT DWSD KWA ASSESSMENT Version VIII 02-21-13.pdf; TYJT Recommendaton DWSD vs Flint.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Additional reading material, per your request.

Attached:

1) 2 page summary put together today by Office of Fiscal Responsibility Staff, "KWA SUMMARY FOR GOVERNOR…"
2) Final Offer from DWSD, "KWA and City of Flint.pdf"
3) Letter from Ed Kurtz, declining DWSD offer, "Dillon KWA.PDF"

And if you are really into reading more…

4) Office of Fiscal Responsibility Analysis of Situation (from February), "UPDATED FLINT DWSD KWA ASSESSMENT…"
5) One pager from Tucker Young Jackson Tull (from March), "TYJT Recommendation…"

Finally, some comments from DEQ staff after the 4/15 offer from DWSD:

Comment 1:

From a capacity standpoint, supplying KWA is completely feasible under either proposal with no adverse impact to the rest of the DWSD supply network. The proposal lists KWAs contracted max day demand at 40.6 mgd, the design and rated capacity of the Lake Huron Plant is 400 mgd. The DWSD service area average and max day are about 650 and 950 mgd; the other four water plants combined have a rated capacity of over 1100 mgd.

I don't know the details of the cost analysis other than what has been reported by DWSD. It is my understanding that over the 30 year pay back period that full service water provided from DWSD would be more a lot more expensive than what KWA has projected if they separate. Several intermediate proposals of varying cost estimates have been presented without success. KWA was issued a permit last fall for constructing an intake (independent of DWSDs) and I think the plan is to start construction as early as this fall. Then a treatment plant would be constructed to treat the water. Flint has a water plant that draws raw water from the Flint River, but the plan would be to purchase raw water from the KWA intake and treat at their plant, using the River as a backup source. KWA has estimated a project cost of $274 million, DWSD estimated the project cost at $375 million; but I don't know exactly what the scope of work was for those estimates so I'm not sure that it's an apples to apples comparison.

Overall, besides the know impacts to DWSD for loss of revenue and increased cost to the rest of the system users to cover fixed cost, debt, etc., there could be other systems revisiting their proposals to separate. Grosse Ile and a few surrounding communities had looked into forming a water authority and building a plant to serve them; Grosse Pointe Park had submitted incomplete plans a few years back to build their own microfiltration plant. At one point, Grosse Pointe Shores was

considering a study to see if they could re-work the Grosse Pointe Farms network to purchase water from them rather than DWSD through GP Woods.

Comment 2:

A response at this point may be moot as Flint and Genesee Co. already held a press conference yesterday rejecting the DWSD offer.

It is also unclear whether DWSD provided its offer directly to Flint and Genesee Co. by the deadline in Treasurer Dillon's letter. However, Flint and Genesee Co. still took the offer under consideration.

Our office concurs with both Flint and Genesee Co. that the offers provided by DWSD were incomplete.

Of the two scenarios provided by DWSD it appeared that only Scenario 2 was listed as potentially being more cost effective. However, this scenario did not address the following:

1. The DWSD scenarios are based on 40 MGD of service capacity. However, the KWA project is providing 60 MGD of initial capacity with potential expansion to 75 MGD in the future. Therefore, in order for a more direct comparison the DWSD scenario would need to increase capacity to 60 MGD, which would increase fixed rate commodity costs as well as the capital costs for the Huron Plant that DWSD was planning to allocate to Flint and Genesee Co., presumably by as much as 50%.

2. DWSD proposals cover a 30 year period to 2042, but fail to recognize that after this period bond payments for the KWA project will be complete and result in a significant reduction in costs for the KWA option.

3. While DWSD indicates that Flint and Genesee Co. would be given "broadened representation", it remains unclear exactly what this means in terms of actual control in the decision making process.

4. This scenario continues to rely on a single transmission system and would require the City of Flint to maintain its WTP for emergency purposes and these costs do not appear to be included. In addition, use of the Flint WTP as an emergency backup would leave Genesee Co. without an adequate backup supply to meet their 30 year needs.

Again, without DWSD providing the specific details of these proposals, it is difficult to provide a true comparative analysis, and as such Flint and Genesee Co. appear to be justified in their rejection of these proposals.

Brom Stibitz
Senior Policy Advisor
Michigan Department of Treasury
517-373-3223
stibitzb@michigan.gov

89 (Rev. 02-11)

STATE OF MICHIGAN
DEPARTMENT OF TREASURY
LANSING

RICK SNYDER
GOVERNOR

ANDY DILLON
STATE TREASURER

SUMMARY REPORT

TO: Brom Stibitz, Senior Policy Advisor; Department of Treasury

FROM: Eric Cline. Unit Operations Specialist

SUBJECT: Flint Water System Summary

DATE: April 18, 2013

Summary

In November 2012 the Department of Treasury commissioned the firm of Tucker, Young, Jackson & Tull, Inc. (TYJT) to analyze options for the City of Flint to either remain a customer of the Detroit Water & Sewer Department (DWSD) or to join the Karegnondi Water Authority (KWA) in Genesee County. The purpose of this study was to provide objective analyses to the State Treasurer and Flint's Emergency Financial Manager (EFM) in order to secure future potable drinking water for the City.

In December 2012, staff from TYJT met with representatives from the Department of Treasury and the City of Flint to provide a preliminary report on their findings. At this meeting, five options were presented: These options ranged from the Flint Water Plant providing 100% water, to 100% provision of untreated Lake Huron Water by KWA, to 100% provision of treated drinking water by DWSD, or provision of variable amounts of water from DWSD using a combination of blended DWSD water and Flint River water.

From the presentation of the preliminary report in December 2012 to the submission of the final report by TYJT in January 2013, a number of developments made arriving at a final decision very difficult.

- DWSD provided the City of Flint with at least two modified proposals to consider.
- A debate ensued between TYJT and KWA's principal engineering firm regarding the others' conclusions and estimates for construction of the KWA pipeline.
- The Flint EFM eliminated all options except the 100% DWSD option or joining KWA.

In January 2013, the OFR provided a comprehensive report to the State Treasurer analyzing three questions: 1) The projected construction costs and why Treasury believed the projections provided by Flint/KWA were acceptable; 2) Identification of the construction contingencies; and 3) Identification of the options Flint will utilize in the event of a construction cost overrun or a delay in construction. At the end of this report, the OFR recommended to the State Treasurer that KWA presented the best future option for future potable water. The OFR also concluded that KWA appeared to be the cheaper option; the quality of water would improve; Genesee County appeared willing to assist the City in securing the financing for their portion of the project; the KWA project could signify the beginning of better collaboration between the City of Flint and Genesee County; and the KWA project had both political and popular support.

Between January and April, intense scrutiny of the various proposals was undertaken by Treasury and Flint officials. Treasury officials met with officials from Genesee County to gain a better understanding of the KWA project. In February 2013, Genesee County opened bids for construction of the Lake Huron intakes. This bid opening represented the first meaningful step toward commencing construction of the KWA system. The bid was $3-million less than projected.

In March 2013, Treasury was notified that DWSD had contacted Flint to negotiate with the City to retain them as a customer. On April 12, 2013, the State Treasurer authorized the Flint EFM to join KWA, pending review of any final offer from DWSD. A final offer was received from DWSD on April 15, 2013.

DWSD's final offer provided two options. The first option was for a "supply only" rate schedule. Only water treatment costs would be recovered and DWDS would absorb all other delivery costs. Capital and operating revenue charges would be calculated based upon KWA's usage relative to the entire demand upon DWSD's Lake Huron WTP. KWA would also have the ability to construct and own its own transmission lines.

The second option was a "full service" rate option. DWSD would provide all production and transmission services. Transmission rates would be calculated only on those costs necessary to supply KWA and no additional transmission rates would be charged. Capital and operating revenue charges would be calculated based upon KWA's usage relative to the entire demand upon the Lake Huron WTP.

Independent analyses of DWSD's final offer by the OFR, the Flint EFM, and the Department of Environmental Quality (DEQ) generally reached the same conclusions:

- DWSD's offer was a framework subject to negotiations and was not a firm offer.
- The offer provided by DWSD was incomplete.
- DWSD's offer did not include a guaranteed rate beyond year one, nor did it limit maximum annual rate increases.
- The DWSD scenarios were based on 40 MGD of service capacity. However, the KWA project provides 60 MGD of initial capacity with potential expansion to 75 MGD.
- DWSD indicates that Flint/ Genesee County would be given "broadened representation," it is unclear exactly what this means in terms of actual control in the decision making processes.
- The DWSD offer relies on a single transmission system and would require the City of Flint to maintain its WTP for emergency purposes. In addition, it would leave Genesee County without an adequate backup supply to meet their needs.
- DWSD's offer included an attachment that listed the rank-ordered options (from cheapest to most expensive). DWSD Scenario 2 is listed as the least expensive option (but it is unclear how the total cost of this option was arrived at). DWSD Scenario 1 was not listed.
- DWSD provided a summary table of their unit costs but how these figures are arrived at was not clear, so analysis proved difficult.

Without specific details from DWSD on this proposal, a true comparative analysis is difficult to provide. As such the Flint EFM rejected the DWSD proposal and agreed to join KWA.

If further information on this issue is needed, please let me know.

Copy: Roger Fraser, Deputy State Treasurer; Bureau of Local Government Services
Edward Koryzno, Administrator; Office of Fiscal Responsibility
Randall Byrne, State Administrative Manager; Office of Fiscal Responsibility

CITY OF DETROIT
WATER AND SEWERAGE DEPARTMENT
OFFICE OF THE DIRECTOR

735 RANDOLPH STREET
DETROIT, MICHIGAN 48226
WWW.DETROITMI.GOV

April 15, 2013

Karengondi Water Authority
4160 Beecher Rd.
Flint, Michigan 48532-2617

Ed Kurtz, Emergency Manager
City of Flint
1101 South Saginaw Street
Flint, Michigan

Gentlemen:

Over the last several months, governed by a process laid out by the State of Michigan, the Detroit Water and Sewerage Department (DWSD) has proposed a number of alternatives for long term water supply to the City of Flint. Each alternative was offered in the spirit of working in earnest to address the needs, priorities and concerns of the City of Flint and each provided an immediate cost reduction when compared to the current costs of water purchased from DWSD. In the final analysis conducted by Flint, these proposals did not overcome the desire for the Flint/Genesee region to be served by the same system and to have a voice in the future decisions governing the provision of water to this region.

Many of the proposals DWSD has made to Flint during this period are applicable to Flint/Genesee County or KWA with adjustments to demand and use requirements and would provide similar overall benefit. These options remain available for further discussion should the parties' desire. These prior proposals are included in summary form in Attachment 1 as an expanded table 6-1 from the February 2013 State of Michigan Contract No. 271N3200089, City of Flint Water Supply Assessment, submitted by Tucker, Young, Jackson, Tull, Inc. For comparison purposes only, DWSD's new proposal (Flint's 30% allocated share) is inserted.

The proposal scenarios outlined today offer a public/public partnership with options tailored to Flint/Genesee County or KWAs interests. For ease of writing, the remainder of this memo will present this proposal to KWA. Two basic scenarios are presented for consideration, both of which contemplate that KWA would enter a multi-year contract. Service commitments and usage definitions would be negotiated in the same manner as employed that have resulted in new contracts for other customers.

In brief, the proposal provides a unique opportunity to reserve capacity at DWSD's Lake Huron Water Treatment Plant and to participate in decision making for facility operation and capital investment through a joint operating committee. The proposal envisions that KWA would enter into a 30-year contract to purchase treated water directly onsite at DWSD's Lake Huron Water Treatment Plant.

In Scenario 1 the purchased water can either be pressurized or unpressurized. This first scenario results in a "supply only" rate schedule, with a "standby delivery" component to provide for emergency service at the existing Baxter / Potter connection. This scenario provides KWA the ability to construct new transmission owned and operated by KWA.

Scenario 2 maintains the public/public partnership concept and extends it to transmission facilities through which the Lake Huron Water Treatment Plant provides water. This scenario results in a "full service" rate schedule. The standby delivery component is eliminated, since the rate structure to KWA includes costs associated with the transmission system between the Lake Huron Water Plant and the Baxter / Potter connection.

DWSD proposes a modified rate schedule for the customers currently served through the contract with the City of Flint, which includes Flint and Genesee County. This modified schedule is intended to facilitate negotiations for a new water service agreement with the Karegnondi Water Authority (KWA). The scenarios presented herein represent the innovative thinking that DWSD and its new leadership are bringing to the table. Our goal is to provide the lowest cost water solution for the KWA service area.

The potential rate structures are introduced in summary form herein, with preliminary calculations using the proposed rate structures with FY 2013-14 as a baseline. These calculations and the accompanying discussion are based on the assumptions regarding contract terms that approximate recent discussions amongst the parties.

The proposal introduces the concepts, but does not definitively present all of the specifics, appreciating that such specifics are best addressed through negotiations designed to produce a new contractual agreement satisfactory to all parties.

[Remainder of page intentionally left blank]

Scenario 1 – Lake Huron Direct Supply Purchase:

- KWA enters into a long term partnering arrangement with DWSD to purchase all of its primary water supply directly at the DWSD Lake Huron water treatment plant.
- Supply rate schedule is designed to recover only water treatment revenue requirements. This rate schedule does not contain any delivery costs (pumping, transmission, storage, etc.).
- Supply rate schedule is computed based on specific costs associated with the Lake Huron Plant. No other DWSD revenue requirements, including those associated with other DWSD water plants, are included in the rate to KWA.
- Revenue requirements are separated into capital recovery and operation and maintenance expense elements. Baseline revenue requirement data (including operating budget, rate of return, depreciation assumptions, etc.) are identical to those developed for all other wholesale customers.
- KWA is allocated Lake Huron Plant capital revenue requirements based on the proportion of their contracted max day demand (assumed in these calculations at 40.6 mgd) relative to the total capacity at the Lake Huron Plant (400 mgd). The resulting revenue requirements are recovered through a fixed monthly charge.
- KWA is allocated Lake Huron Plant operating revenue requirements based on the proportion of their contracted average daily usage (assumed in these calculations at 24 mgd) relative to the total average daily usage at the Lake Huron Plant (assumed at 125 mgd in these calculations).
- Calculations are conducted for two alternatives. Purchase of *pressurized* water (after high lift pumping) and *unpressurized* water (KWA takes directly from clearwell.)
- Contract includes an arrangement for emergency service at the existing Baxter / Potter connection, and computes a standby charge related to such service.
- The standby charge is computed in the manner set for the by the American Water Works Association (AWWA) in its Manual of Water Supply Practices M1 - "Principles of Water Rates, Fees, and Charges" Manual M1.
    - KWA is allocated one day's worth of transmission related capital revenue requirements.

Scenario 2 – "Full Service" Lake Huron System

- Same as the "pressurized" option in Scenario 1, except that concept is extended to the pumping, storage, and transmission facilities directly served by the Lake Huron Plant
- Transmission rate schedule is computed based on specific costs associated with these facilities. No other DWSD revenue requirements, including those associated with other DWSD transmission mains, etc, are included in the rate to KWA.
- Revenue requirements are separated into capital recovery and operation and maintenance expense elements. Baseline revenue requirement data (including operating budget, rate of return, depreciation assumptions, etc.) are identical to those developed for all other wholesale customers.
- KWA is allocated Lake Huron "transmission system" capital revenue requirements based on the proportion of their contracted max day demand (assumed in these calculations at 40.6 mgd) relative to the total capacity at the Lake Huron Plant (400 mgd). The resulting revenue requirements are recovered through a fixed monthly charge.

- KWA is allocated Lake Huron "transmission system" operating revenue requirements based on the proportion of their contracted average daily usage (assumed in these calculations at 24 mgd) relative to the total average daily usage at the Lake Huron Plant (assumed at 125 mgd in these calculations).
- Standby charge is eliminated.

The resulting potential proposed rate structures under both Scenarios are summarized below.

Potential Proposed DWSD Water Rate to KWA
Lake Huron Direct Scenario

	1 - Supply Rate @ LH Plant		2 - Full Service
	Unpressurized	Pressurized	Wholesale Rate
Supply Rate			
Fixed Monthly Capital Charge - $	219,900	316,600	503,200
Commodity Rate - $/Mcf	2.60	4.16	5.31
Average Unit Cost - $/Mcf	*4.85*	*7.40*	*10.46*
Monthly Standby Charge	167,500	110,300	0
Total Monthly Charge	387,400	426,900	503,200
Total Average Unit Cost - $/Mcf	*6.57*	*8.53*	*10.46*

The direct comparison over the period 2013-2042 is demonstrated in Attachment 2.

As KWA considers this proposal, I offer the following observations for consideration:

- The Public Partnership requires the least near term capital investment and preserves the economy of scale associated with operation of a large regional system resulting in an immediate reduction in the cost of water supply for Flint/Genesee, making the identified and necessary near term investment in local water infrastructure more feasible.
- The Public Partnership provides the opportunity to optimize service level and efficiency through collaborative asset management decision making.
- The Public Partnership provides representation for critical decision making consistent with DWSD newly demonstrated interest in engaging our customers in critical decisions impacting them. This formalizes that interest in contractual terms.
- The Public Partnership reduces the risks identified with a 'go alone' solution, including further declines in use/sales (see graph), project cost overruns or schedule delays and other unforeseen costs inherent in starting a new venture. See Attachment 3
- The DWSD Board of Commissioners has previously approved sale of raw water from the Lake Huron facilities for raw water end use. We remain open to further discussion about the raw water capacity needs and stand ready to provide an affordable commodity option.

DWSD is an organization in transformation. In April of 2011, a new Board of Commissioners was seated with additional autonomy and more direct customer representation. In the past year we have demonstrated the ability to reduce costs, resolve long standing compliance issues and have gained support for establishing a new legal and operational model for DWSD that could enable broadened representation for Flint/Genesee on the Governing Board.

I remain available to discuss this proposal to assure that each of the issues critical to Flint/Genesee are addressed.

Best regards,

Sue McCormick, Director
Detroit Water and Sewerage Department

Cc: Andy Dillon, State Treasurer
Dayne Walling, Mayor – City of Flint
Kevyn Orr, City of Detroit Emergency Financial Manager
Jeff Wright, Genesee County Drain Commissioner
James Fausone, Chair – Detroit Board of Water Commissioners

DWSD Water Supply Costs Estimates to Flint

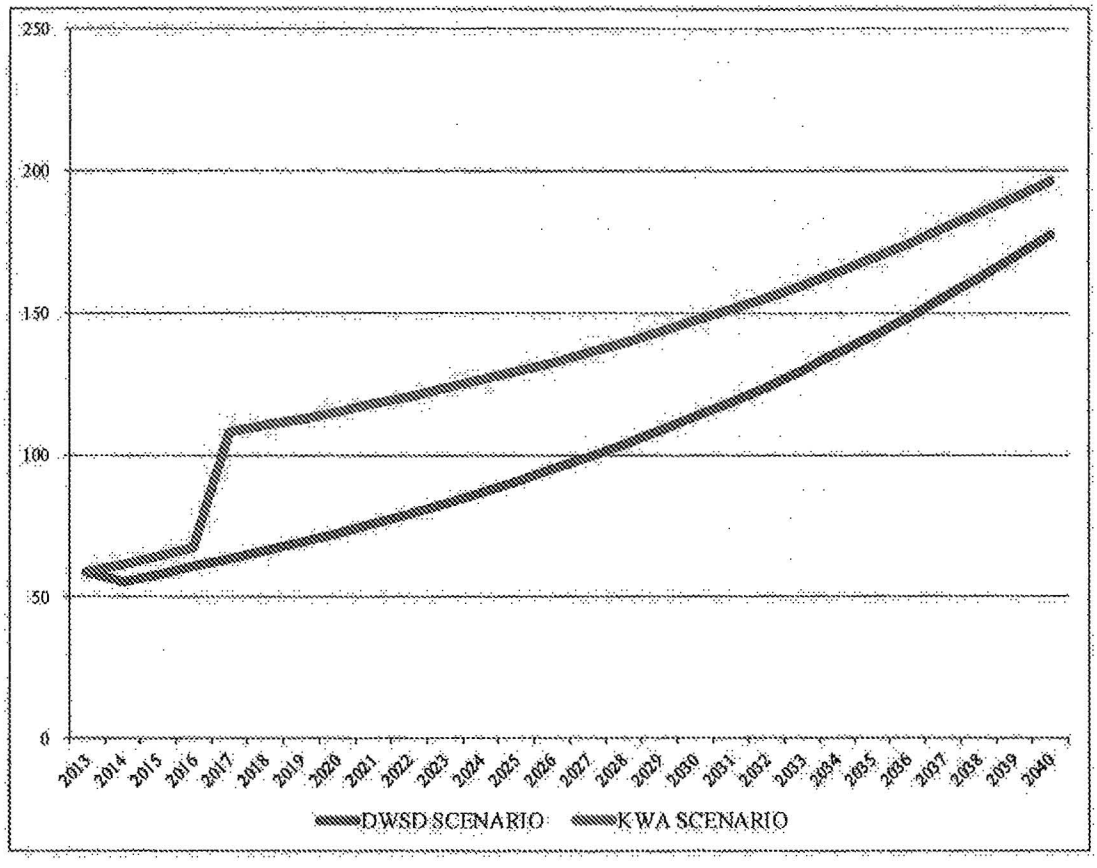
Option	Water Supply Costs ($) through 2042	Ranking by Cost
DWSD 4/15/2013 Scenario 2	587,990,650	1
DWSD 8 MGD Max Day @ Imlay	634,795,488	2
*KWA (10/31/12 No Overruns, As Provided) **	649,775,166	3
DWSD 8 MGD Max Day @ Baxter / Potter	672,671,705	4
KWA-1 (10/31/12 No Overruns with Financing Costs)	707,279,715	5
DWSD 12 MGD Max Day @ Imlay	725,576,803	6
DWSD 12 MGD Max Day @ Baxter / Potter	762,110,308	7
KWA-2 (Treasury Estimate)	766,784,313	8
DWSD 12 mgd Twin Line Proposal / No blending	818,092,150	9
DWSD 18 MGD Max Day @ Baxter / Potter	821,226,268	10

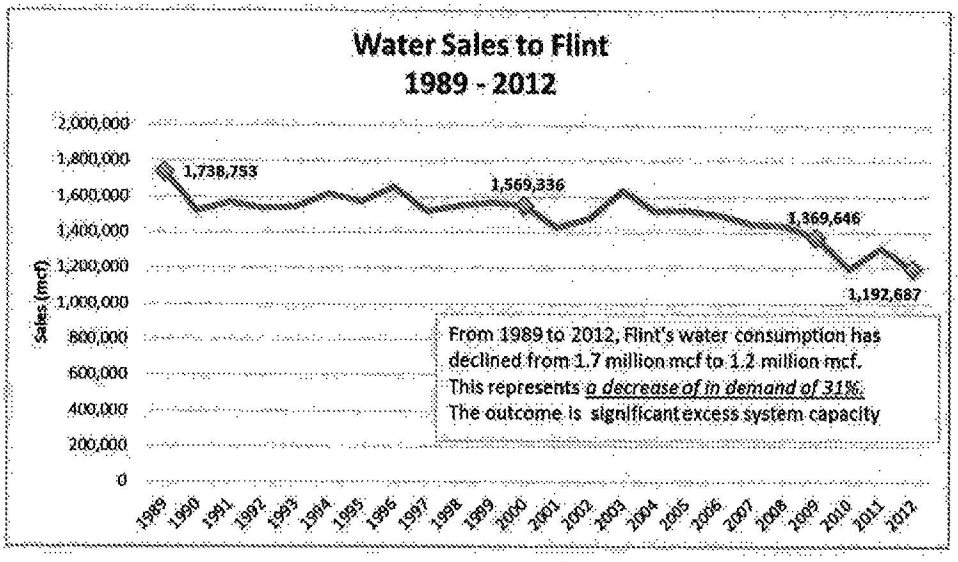
Italicized Options as presented in TYJT Report

DWSD Water Supply Costs Estimates to Flint / GCDC
$ millions

Option	All Water Costs ($) through 2042	Ranking by Cost
DWSD 4/15/2013 Scenario 2	3,282.00	1
Estimate of KWA	4,090.06	2

SUMMARY OF **TOTAL** PROJECTED WATER COSTS TO FLINT/GCDC - SCENARIO COMPARISON *($ millions)*




Water Sales to Flint
1989 - 2012
Sales (mcf)
2,000,000
1,800,000
1,600,000
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
1,738,753
1,569,336
1,369,646
1,192,687
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
From 1989 to 2012, Flint's water consumption has declined from 1.7 million mcf to 1.2 million mcf.
This represents a decrease of in demand of 31%.
The outcome is significant excess system capacity

CITY OF FLINT
OFFICE OF EMERGENCY MANAGER
EDWARD J. KURTZ

ELECTRONIC LETTER

April 16, 2013

Andy Dillon
State Treasurer
P. O. Box 30716
Lansing, MI 48909

Dear Treasurer Dillon:

Flint, Genesee County and KWA received an eight page letter from Detroit Water and Sewerage Department (DWSD) offering a framework for a long-term agreement with our region. Two scenarios were presented;

Scenario 1: Water from the Lake Huron Plant.

This offer was dismissed immediately because Flint would still be responsible for their share of the KWA water pipeline delivery system estimated to be $79 million. In addition Flint would not be able to operate the Flint Water Plant in which we have invested over $40 million per MDEQ mandates over the past ten years. Finally, although DWSD shows this as an option and supplied a per month cost projection for the first year, no total costs over the life of the contract were provided.

Scenario 2: "Full Service" Water Supply

This offer was also rejected. DWSD would supply water to Flint/Genesee the same way they currently are today. They would change the method of calculating our bill. The offer would provide a $1.00 per ccf reduction on our usage for the first year, providing a 30 year contract is signed.

After review of the offer, Flint/Genesee has the following concerns:

1. DWSD's offer is a framework subject to negotiations and is not a firm offer.

2. DWSD's offer is based on 40.6 mgd, the KWA plan is based on 60 mgd. Flint/Genesee last summer hit the peak of 40.6 mgd and this DWSD offer provides no room for growth. Growth would result in penalties or added cost.

3. DWSD's offer does not include a guaranteed rate for years two through thirty, nor does it provide a maximum annual increase.

4. DWSD's offer does not provide a redundant supply for GCDC.

5. DWSD's offer does not allow for the use of Flint's existing water plant.

6. The offer indicates that the total cost to Flint over the life of the contract would be $587,990,665. No indication of what annual rate of increase was used in this projection. Flint can only assume it is 4.4% based on the Tucker Young report. It is also based on 40.6 mgds. KWA's proposal is for $649,775,166 based on 60mgds (33% more). Based on 60 mgds DWSD's proposal would be $868,950,738.

On a final note, Flint/Genesee has great concern over the accuracy of the figures provided by DWSD. Attachment 1 indicates that our joint annual cost to DWSD is $50 million; actual cost is less than $25 million. Attachment 2 indicates $800 million in savings over the next 30 years. That is greater than the total cost we would pay DWSD.

Therefore, I will sign the resolution to join KWA at the close of business today.

Sincerely,

Edward J. Kurtz
Emergency Manager

89 (Rev. 02-11)

STATE OF MICHIGAN
DEPARTMENT OF TREASURY
LANSING

RICK SNYDER
GOVERNOR

ANDY DILLON
STATE TREASURER

ANALYSIS REPORT

TO: Edward Koryzno, Administrator; Office of Fiscal Responsibility

FROM: Eric Cline. Unit Operations Specialist

SUBJECT: Updated Flint Water System Status Assessment

DATE: February 21, 2013

Analysis Summary

On November 26, 2012, the Department of Treasury commissioned the firm of Tucker, Young, Jackson & Tull, Inc. (TYJT) to analyze options for the City of Flint to either remain a customer of the Detroit Water & Sewer Department (DWSD) or to join the Karegnondi Water Authority (KWA) in Genesee County. The overarching purpose of this study was to provide objective analyses to the State Treasurer and to Flint's Emergency Financial Manager (EFM) in order to secure potable drinking water for the City for the foreseeable future. The Office of Fiscal Responsibility (OFR) has been the lead office representing Treasury in this project.

On January 14, 2013, the State Treasurer requested responses to three questions: 1) Show the different, projected construction costs provided by TYJT and by the City of Flint/KWA. If these costs are different, explain why Treasury believes that the projects provided by Flint/KWA are acceptable; 2) identify the construction contingencies included in the TYJT and Flint/KWA projections; and 3) identify the options Flint will utilize in the event of a construction cost overrun or a delay in construction by KWA.

This has been a very difficult project to analyze because of the number of proposals to consider, differences of opinion about the conclusions of various engineering analyses that have been conducted, the fact that the analyses are comparing an existing, operational water system with one that has not yet been designed, and conditions within the City of Flint that make it difficult to assess their true water needs.

However, despite these difficulties, I believe that **KWA** presents the best future option to provide potable water for the City of Flint in the future. Long-term, KWA appears to be the cheaper option; the quality of water will almost certainly improve; Genesee County appears willing to assist the City in securing the financial resources for their portion of the project; this project could signify the beginning of better collaboration between the City of Flint and Genesee County; the KWA project has both political and popular support.

The following details how this recommendation was arrived at:

Background:

On December 21, 2012, staff from TYJT met with representatives from the Department of Treasury and the City of Flint to provide a preliminary report on their findings. At this meeting, TYJT outlined 5 options that they had analyzed. These options were: 1) 100% water provision by the City of Flint Water Plant from its water source of the Flint River; 2) 100% provision of untreated Lake Huron Water by KWA (which would require treatment by the Flint Water Plant); 3) Effective 100% provision of treated drinking water by DWSD; 4) Provision of variable amounts of water from DWSD through the existing Potter & Baxter master meter (this option called for Flint to treat and *blend* river water into DWSD water in order to reach their daily needs); and 5) Provision of variable amounts of water from DWSD through the 72" Imlay City main (this option also called for Flint to treat and *blend* river water into DWSD water in order to reach their daily needs). Each of the blending options looked at Flint purchasing 4, 8, or 12 Million Gallons per Day (MGD) from DWSD and blending the balance in river water to achieve their maximum daily water needs of 18 MGD. The Imlay City option also provided for DWSD to sell the 72" main to the City of Flint, which would then become the operational and maintenance responsibility of Flint.

From the presentation of the preliminary report on December 21 to the submission of the final report to the State by TYJT on January 29, 2013, a number of developments occurred that made analysis and arriving at a final decision very difficult. They were:

- DWSD provided the City of Flint with at least two modified proposals to consider.
- TYJT and Rowe Professional Services Company (Rowe), the principal engineering firm for KWA (and Genesee County and the City of Flint), began disputing the others' conclusions and estimates regarding the construction of the KWA pipeline.
- The Flint EFM also disputed several of TYJT's conclusions. At a January 10, 2013, meeting with Treasury, the EFM also eliminated the 100% Water Plant option, using the Flint River as a 100% water source (which was cheapest option, as determined by TYJT).
- At a January 10, 2013 meeting, Flint officials eliminated all of the DWSD Imlay City options (which were the cheapest DWSD options) over concerns of owning and maintaining the 72" water main. They also eliminated consideration of any of the blending options originally proposed to DWSD, in part over concerns of added costs to soften the water. This effectively left the only options remaining under consideration by Flint to be the 100% DWSD option (which TYJT estimated to be more expensive than either of the KWA cost options) or joining KWA.

I believe that TYJT's analysis was hampered by the very short timeframe in which they attempted to conduct this analysis; which, may have led to be being more conservative in some of their estimates. I believe that some of the comparable systems used in their analysis may not have been the best options but given that KWA is still in the design phase, may represent the best selection of comparable. I also believe, for whatever reasons, that all of the information (from both DWSD and KWA) TYJT needed to effectively analyze these options was not provided to them.

Projected Construction Costs:

Based upon the provided construction estimates, TYJT estimates the KWA construction costs at **$357.6-million**. KWA estimates construction costs at **$272.4-million**. TYJT states in their final report that they received "limited information" from KWA, which might have resulted in more conservative estimates.

The primary differences between the two estimates center around 1) the cost of constructing the pumping stations; 2) land acquisition costs; 3) contingency costs (discussed below); 4) the provision of

construction management services; 5) design costs; and 6) redundant power at the pumping stations. Cost estimates were reasonably similar by both firms in other areas except for those noted above.

The cost of constructing the pumping stations is the biggest difference between the two estimates (**$24.6-million vs. $54.5-million**). TYJT stated that they believe KWA had not designed the pumping stations to the point where more accurate numbers could be achieved. TYJT also stated that their estimates were based on construction costs for a similar project in SE Michigan. KWA maintains that construction costs in Genesee County are much lower than in SE Michigan and that they have extensive experience in construction projects that will help keep costs in-line. KWA has also stated that the construction of the transmission pipeline will be done by multiple contractors in order to save time and allow more Michigan contractors to bid on the project.

TYJT added **$1.2-million** to their estimates for land and easement acquisition. KWA has stated that they have already secured nearly all of the land and easement accesses needed for this project. It is likely that TYJT was unaware of this when they developed their estimates.

TYJT also added 5% (**$14.4-million**) to their estimated base cost for construction management services. TYJT has stated that KWA has not taken these costs into account. KWA maintains that they have accounted for them and these costs will not be that high.

Nearly **$18-million** was added to TYJT's estimates for design costs and legal work for the design of both the pumping stations and the transmission pipeline. KWA maintains that they have accounted for these expenses.

TYJT also included **$1.3-million** in new costs for standby power at the pumping stations. KWA has made no provisions for redundant power at the pumping facilities. TYJT included the provision of redundant power in their estimates and notes that this is an industry standard. KWA officials have stated that the new water plant will have redundant power but that the pumping stations will not. The stated reasons for not including redundant power were cost containment, that Flint can use the Flint River as a backup water supply in the event of an extended power outage and that the KWA systems' water storage capacity will allow for 7 days of reserve supply. KWA has also stated that they will look at installing standby power later but can utilize portable generators at the pumping stations, if necessary.

If the additional costs are not included, then the TYJT and the KWA estimates are within 5% of each other. This may/may not be acceptable differences, but I believe the only way to verify the accuracy of either estimate would be to utilize a third engineering firm to independently review both TYJT and KWA's estimates.

Project Contingency:

Construction contingency costs, also known as Engineering, Land, Administration, and Contingency costs (ELAC) are summarized in an attached chart developed by Rowe for the City of Flint. KWA/Rowe estimates total construction at $272.4-million, with **$53.2-million** (25%) for ELAC contingencies. County Water and Sewer Administrator John O'Brien clarified at a January 28, 2013 meeting that there is a 15% contingency for unforeseen issues and 10% "extra." TYJT estimates total construction at $357.6-million, with **$107.3-million** (30%) for ELAC contingencies.

TYJT stated that they believe that 25% ELAC for a project of this scope that is (at the time of the final report) less than 15% designed is insufficient; hence the more conservative estimate. The 5% difference in ELAC costs adds nearly $40-million to the TYJT estimate.

Construction Cost Overrun/Construction Delay Options:

The OFR is not aware of any contingency plans developed by either KWA or the City of Flint to address construction cost overruns or significant construction delays. The final TYJT Water Supply Assessment Report does reference an October 31, 2012 letter from KWA to EFM Kurtz in which KWA anticipates a "worse-case scenario" of a 15% cost overrun and a one-year operational delay. KWA projects, under this scenario, that water from DWSD would be cheaper than KWA until 2020 as opposed to 2016; reducing projected cumulative savings from $19-million to $3.9-million by Year 8 (2020).

County Drain Commissioner Jeff Wright stated at a January 28 meeting that, if necessary, KWA has the authority to borrow more funds to complete the project in the event that delays or cost overruns necessitate the borrowing of more funds. However, Mr. O'Brien also stated that the January 28 meeting that KWA expects to purchase insurance policies to insure against delays to the project. It has been suggested that a one-year delay in completion could increase project costs by as much as $20-million. Further discussion with Mr. O'Brien reveals that KWA is looking into purchasing a "wrap-around" policy against construction delays and a builders' risk policy; the costs of which are still being determined by KWA. Drain Commission Wright also indicated at the January 28 meeting that if construction bids come-in significantly higher than estimated that KWA will likely reassess its approach to this project.

Conclusions:

It is likely that TYJT's estimates are overly conservative. Their own analysis concludes that KWA's projections are cheaper than their estimate of the KWA project. Even with a 15% cost overrun and a one-year delay (Worst-case scenario), KWA's estimate is still lower than TYJT. All estimates for KWA are cheaper than the 100% DWSD option (all other DWSD options were eliminated from consideration by the EFM).

That is not to say that the KWA estimates are without fault. KWA is a new venture and the "unknowns" exist at the initial phases of the project. KWA has the potential to be the cheaper, long-term cost for the City of Flint after the bond debt for construction is retired. Significant construction delays and/or cost overruns could greatly add to the cost of this project, which could add to the financial burden on Flint.

Realistically, the true cost for this project will likely be in the middle of the two estimates. The bids for construction of the KWA lake water intake will be opened on February 26, 2013, with the expectation of presenting a recommendation for bid award on March 20. Comparison of the bids and the estimates for intake construction could be an indicator of the more valid estimate.

There are also some additional factors that are outside of the three questions asked by the State Treasurer that influence a final recommendation on this project. The first is DWSD. DWSD is a "known" entity and the system is already in-place and in operation. DWSD may also be the cheaper option in the short term. However, selecting DWSD requires a 30-year commitment and the unknown aspect of future rate increases is very concerning to Flint officials. EFM Kurtz has stated that the City has experienced rate volatility over the history of its relationship with DWSD. According to the EFM, the average historical annual rate increase for the City is **6.7%**, but over the past 10-years the average annual rate increase has been **10.5%**.

All estimates show KWA being cheaper to Flint than DWSD after capital costs are retired. There also appears to be considerable local resistance to continuing a relationship with DWSD.

The upfront costs and the premium water charges assessed by DWSD while KWA is being constructed are of great concern to City officials. Flint officials have indicated that approximately **$3.5-million** in capital upgrades is needed for the Water Plant if the KWA option is selected. However, at a January 28,

2013 meeting, County Drain Commissioner Wright indicated that Genesee County will permit Flint to participate in its revenue bond sale for KWA for Flint's 30% share of capacity in the KWA System and for plant upgrades. Given Flint's current financial situation, were this participation to occur, it will be a positive development for the City because it is likely Flint would have a very difficult time issuing bonds on the strength of its own credit rating. The Drain Commissioner also indicated a willingness to discuss how KWA might mitigate the $5- to $6-million cost of the "premium" rate that would be charged to the City of Flint by DWSD for the City to purchase water while KWA was being constructed.

On February 4, 2013, a proposal was received from EFM Kurtz that outlined a two-phased approach to resolve the cost of this premium charge. First, the City will transfer six miles of 72" water main owned by the City that extends into Genesee County in lieu of the **$2.3-million** up-front payment the City would have to make for construction of the KWA system. The second phase involves KWA entering into negotiations with DWSD to purchase their 72" water main that runs from Imlay City to Genesee County and agreeing to purchase water from DWSD for redundant purposes in-exchange for DWSD eliminating the **15%** premium rate to Flint during the three-year KWA construction period.

Recommendation:

A recommendation is being made to support the City of Flint joining KWA. Given, the conservatism of TYJT's estimates and the fact that all KWA estimates are cheaper than the 100% DWSD option, KWA appears to be the logical choice. EFM Kurtz has stated that he believes the KWA option is the cheaper alternative over time. There appears to be public support for the KWA project and EFM Kurtz has also stated that he believes that the Flint Mayor and City Council will support the KWA Project.

Also, the potential inclusion of Flint in the issuance of revenue bonds by Genesee County and the potential for KWA to assist the City in mitigating some of the DWSD premium charges could greatly reduce Flint's financial concerns.

There also appears to be good cooperation between City and County officials in discussing this project and this level of engagement and dialogue between city and county officials because of this project could continue to grow and lead to additional areas of cooperation and collaboration.

If further analysis on this issue is needed, please let me know.

Copy: Randall Byrne, State Administrative Manager; Office of Fiscal Responsibility

Attachment

S:\OFR\Cities\City of Flint\KWA Water Authority\UPDATED FLINT DWSD KWA ASSESSMENT.Version VIII.02-21-13.doc

STATE OF MICHIGAN CONTRACT NO. 271N3200089

CITY OF FLINT WATER SUPPLY ASSESSMENT

At the request of the Treasurer, Tucker, Young, Jackson, Tull, Inc. (TYJT) makes the following recommendation to the Department of Treasury concerning Flint's water supply alternatives. Based on the financial analysis performed of the various options presented by DWSD to continue treated water service to Flint compared to Flint being supplied by the new KWA untreated water system, TYJT believes that several of the options presented by DWSD are lower in cost currently and over the long run than the one offered by KWA. TYJT also believes that DWSD's most recent offer (subsequent to the submittal of our report) to build a smaller parallel water main from Imlay to Flint, funded by the entire DWSD base of customers, is the best solution offering the least cost alternative and the required redundancy by MDEQ.

Furthermore, since a majority of the KWA system has not been designed and none of the system has been constructed, there is an additional risk that the cost of the KWA system may actually be higher than estimated due to potential construction delays and unforeseen conditions. This risk to Flint could be substantial since the city is responsible for 30 percent of the KWA design and construction costs while still having to purchase water from DWSD during the construction period.

Finally, there are other issues that were identified in our report that may result in risks to Flint if it were to join KWA that should be considered by the Treasury in determining how Flint's potable water should be supplied. These issues are related to redundancy and reliability, other items affecting cost, and Flint's desire to control its own destiny related to its water supply. These are described further below.

- DWSD's supply to Flint is via a 72-inch water main from Imlay City. This main also supplies Imlay City, Mayfield and the Greater Lapeer County Utilities Authority (GLCUA). The volume of water contained within the 72-inch main is approximately 30 million gallons. If Genesee and Flint move to KWA then the three remaining communities' consumption would most likely not be large enough to maintain fresh water in DWSD's pipeline (due to loss of chlorine residual). DWSD may consider shutting down the 72-inch line completely due to the water quality concerns, which would then create an additional burden for Imlay, Mayfield and GLCUA to finance treated water supplies.
- The KWA supply option is counter to the Treasury's Competitive Grant Assistance Program (Formerly EVIP Grant). This program has been put in place to allow for communities to consolidate their services and save money. Two existing customers of DWSD (Flint and Genesee County) along with the potential of others customers (GLCUA, Mayfield, Imlay City) separating from another water system is in contradiction to the program.
- There is a concern over the ability of smaller systems (KWA) over larger systems (DWSD) to pay for future unfunded mandates and regulations. Obviously, identifying regulation requirements over 30 years is hard to determine. However, it is widely accepted that a large system has greater ability to respond to unfunded mandates because the cost can be distributed over a large customer base.
- Although Flint will be responsible for 30 percent of the construction cost, they will only have a minority vote on the KWA board. Furthermore, there are other communities (Lapeer County, the City of Lapeer, and Sanilac County) that sit on the board and vote. However, they are not purchasing water nor contributing to the construction costs. Their position on the KWA Board will not provide them an ability to "control their own destiny," as they have stated to the Treasury.

From: Dennis Muchmore <[redacted]>
Sent: Saturday, April 20, 2013 7:03 PM
To: Muchmore, Dennis (GOV)
Subject: Fw: Fwd: KWA and City of Flint
Attachments: KWA and City of Flint.pdf; ATT00001.htm

Dennis Muchmore

----- Forwarded Message -----
From: "Dillon, Andy (Treasury)" <DillonA2@michigan.gov>
To: "Wyant, Dan (DEQ)" <WyantD@michigan.gov>; Dennis Muchmore <[redacted]>; "Roberts, John (GOV)" <robertsj9@michigan.gov>
Cc: "Stibitz, Brom (Treasury)" <StibitzB@michigan.gov>; "Saxton, Thomas (Treasury)" <SaxtonT@michigan.gov>
Sent: Monday, April 15, 2013 7:55 PM
Subject: Fwd: KWA and City of Flint

FYI

Dan, any thoughts re the attached?

We gave dwsd until today to put best offer on table. Flint is to get back to us tmrw. I want to make sure their expected rejection is made in good faith.

Sent from my iPad

Begin forwarded message:

From: "Debra Ragland" <dragland@dwsd.org<mailto:dragland@dwsd.org>>
To: "ekurtz@cityofflint.com<mailto:ekurtz@cityofflint.com>"
<ekurtz@cityofflint.com<mailto:ekurtz@cityofflint.com>>
Cc: "jwright@co.genesee.mi.us<mailto:jwright@co.genesee.mi.us>"
<jwright@co.genesee.mi.us<mailto:jwright@co.genesee.mi.us>>, "Dillon, Andy (Treasury)"
<DillonA2@michigan.gov<mailto:DillonA2@michigan.gov>>, "James Fausone"
<fausone@dwsd.org<mailto:fausone@dwsd.org>>, "orrk@detroitmi.gov<mailto:orrk@detroitmi.gov>"
<orrk@detroitmi.gov<mailto:orrk@detroitmi.gov>>, "Sue McCormick"
<mccormick@dwsd.org<mailto:mccormick@dwsd.org>>
Subject: KWA and City of Flint

Please see attached on behalf of Sue F. McCormick.

Faxed copy forwarded to Mayor Dayne Walling and Jeff Wright.

CITY OF DETROIT
WATER AND SEWERAGE DEPARTMENT
OFFICE OF THE DIRECTOR

735 RANDOLPH STREET
DETROIT, MICHIGAN 48226
WWW.DETROITMI.GOV

April 15, 2013

Karengondi Water Authority
4160 Beecher Rd.
Flint, Michigan 48532-2617

Ed Kurtz, Emergency Manager
City of Flint
1101 South Saginaw Street
Flint, Michigan

Gentlemen:

Over the last several months, governed by a process laid out by the State of Michigan, the Detroit Water and Sewerage Department (DWSD) has proposed a number of alternatives for long term water supply to the City of Flint. Each alternative was offered in the spirit of working in earnest to address the needs, priorities and concerns of the City of Flint and each provided an immediate cost reduction when compared to the current costs of water purchased from DWSD. In the final analysis conducted by Flint, these proposals did not overcome the desire for the Flint/Genesee region to be served by the same system and to have a voice in the future decisions governing the provision of water to this region.

Many of the proposals DWSD has made to Flint during this period are applicable to Flint/Genesee County or KWA with adjustments to demand and use requirements and would provide similar overall benefit. These options remain available for further discussion should the parties' desire. These prior proposals are included in summary form in Attachment 1 as an expanded table 6-1 from the February 2013 State of Michigan Contract No. 271N3200089, City of Flint Water Supply Assessment, submitted by Tucker, Young, Jackson, Tull, Inc. For comparison purposes only, DWSD's new proposal (Flint's 30% allocated share) is inserted.

The proposal scenarios outlined today offer a public/public partnership with options tailored to Flint/Genesee County or KWAs interests. For ease of writing, the remainder of this memo will present this proposal to KWA. Two basic scenarios are presented for consideration, both of which contemplate that KWA would enter a multi-year contract. Service commitments and usage definitions would be negotiated in the same manner as employed that have resulted in new contracts for other customers.

In brief, the proposal provides a unique opportunity to reserve capacity at DWSD's Lake Huron Water Treatment Plant and to participate in decision making for facility operation and capital investment through a joint operating committee. The proposal envisions that KWA would enter into a 30-year contract to purchase treated water directly onsite at DWSD's Lake Huron Water Treatment Plant.

In Scenario 1 the purchased water can either be pressurized or unpressurized. This first scenario results in a "supply only" rate schedule, with a "standby delivery" component to provide for emergency service at the existing Baxter / Potter connection. This scenario provides KWA the ability to construct new transmission owned and operated by KWA.

Scenario 2 maintains the public/public partnership concept and extends it to transmission facilities through which the Lake Huron Water Treatment Plant provides water. This scenario results in a "full service" rate schedule. The standby delivery component is eliminated, since the rate structure to KWA includes costs associated with the transmission system between the Lake Huron Water Plant and the Baxter / Potter connection.

DWSD proposes a modified rate schedule for the customers currently served through the contract with the City of Flint, which includes Flint and Genesee County. This modified schedule is intended to facilitate negotiations for a new water service agreement with the Karegnondi Water Authority (KWA). The scenarios presented herein represent the innovative thinking that DWSD and its new leadership are bringing to the table. Our goal is to provide the lowest cost water solution for the KWA service area.

The potential rate structures are introduced in summary form herein, with preliminary calculations using the proposed rate structures with FY 2013-14 as a baseline. These calculations and the accompanying discussion are based on the assumptions regarding contract terms that approximate recent discussions amongst the parties.

The proposal introduces the concepts, but does not definitively present all of the specifics, appreciating that such specifics are best addressed through negotiations designed to produce a new contractual agreement satisfactory to all parties.

[Remainder of page intentionally left blank]

Scenario 1 – Lake Huron Direct Supply Purchase:

- KWA enters into a long term partnering arrangement with DWSD to purchase all of its primary water supply directly at the DWSD Lake Huron water treatment plant.
- Supply rate schedule is designed to recover only water treatment revenue requirements. This rate schedule does not contain any delivery costs (pumping, transmission, storage, etc.).
- Supply rate schedule is computed based on specific costs associated with the Lake Huron Plant. No other DWSD revenue requirements, including those associated with other DWSD water plants, are included in the rate to KWA.
- Revenue requirements are separated into capital recovery and operation and maintenance expense elements. Baseline revenue requirement data (including operating budget, rate of return, depreciation assumptions, etc.) are identical to those developed for all other wholesale customers.
- KWA is allocated Lake Huron Plant capital revenue requirements based on the proportion of their contracted max day demand (assumed in these calculations at 40.6 mgd) relative to the total capacity at the Lake Huron Plant (400 mgd). The resulting revenue requirements are recovered through a fixed monthly charge.
- KWA is allocated Lake Huron Plant operating revenue requirements based on the proportion of their contracted average daily usage (assumed in these calculations at 24 mgd) relative to the total average daily usage at the Lake Huron Plant (assumed at 125 mgd in these calculations).
- Calculations are conducted for two alternatives. Purchase of *pressurized* water (after high lift pumping) and *unpressurized* water (KWA takes directly from clearwell.)
- Contract includes an arrangement for emergency service at the existing Baxter / Potter connection, and computes a standby charge related to such service.
- The standby charge is computed in the manner set for the by the American Water Works Association (AWWA) in its Manual of Water Supply Practices M1 - "Principles of Water Rates, Fees, and Charges" Manual M1.
    - KWA is allocated one day's worth of transmission related capital revenue requirements.

Scenario 2 – "Full Service" Lake Huron System

- Same as the "pressurized" option in Scenario 1, except that concept is extended to the pumping, storage, and transmission facilities directly served by the Lake Huron Plant
- Transmission rate schedule is computed based on specific costs associated with these facilities. No other DWSD revenue requirements, including those associated with other DWSD transmission mains, etc, are included in the rate to KWA.
- Revenue requirements are separated into capital recovery and operation and maintenance expense elements. Baseline revenue requirement data (including operating budget, rate of return, depreciation assumptions, etc.) are identical to those developed for all other wholesale customers.
- KWA is allocated Lake Huron "transmission system" capital revenue requirements based on the proportion of their contracted max day demand (assumed in these calculations at 40.6 mgd) relative to the total capacity at the Lake Huron Plant (400 mgd). The resulting revenue requirements are recovered through a fixed monthly charge.

- KWA is allocated Lake Huron "transmission system" operating revenue requirements based on the proportion of their contracted average daily usage (assumed in these calculations at 24 mgd) relative to the total average daily usage at the Lake Huron Plant (assumed at 125 mgd in these calculations).
- Standby charge is eliminated.

The resulting potential proposed rate structures under both Scenarios are summarized below.

Potential Proposed DWSD Water Rate to KWA
Lake Huron Direct Scenario

	1 - Supply Rate @ LH Plant		2 - Full Service
	Unpressurized	Pressurized	Wholesale Rate
Supply Rate			
Fixed Monthly Capital Charge - $	219,900	316,600	503,200
Commodity Rate - $/Mcf	2.60	4.16	5.31
Average Unit Cost - $/Mcf	*4.85*	*7.40*	*10.46*
Monthly Standby Charge	167,500	110,300	0
Total Monthly Charge	387,400	426,900	503,200
Total Average Unit Cost - $/Mcf	*6.57*	*8.53*	*10.46*

The direct comparison over the period 2013-2042 is demonstrated in Attachment 2.

As KWA considers this proposal, I offer the following observations for consideration:

- The Public Partnership requires the least near term capital investment and preserves the economy of scale associated with operation of a large regional system resulting in an immediate reduction in the cost of water supply for Flint/Genesee, making the identified and necessary near term investment in local water infrastructure more feasible.
- The Public Partnership provides the opportunity to optimize service level and efficiency through collaborative asset management decision making.
- The Public Partnership provides representation for critical decision making consistent with DWSD newly demonstrated interest in engaging our customers in critical decisions impacting them. This formalizes that interest in contractual terms.
- The Public Partnership reduces the risks identified with a 'go alone' solution, including further declines in use/sales (see graph), project cost overruns or schedule delays and other unforeseen costs inherent in starting a new venture. See Attachment 3
- The DWSD Board of Commissioners has previously approved sale of raw water from the Lake Huron facilities for raw water end use. We remain open to further discussion about the raw water capacity needs and stand ready to provide an affordable commodity option.

DWSD is an organization in transformation. In April of 2011, a new Board of Commissioners was seated with additional autonomy and more direct customer representation. In the past year we have demonstrated the ability to reduce costs, resolve long standing compliance issues and have gained support for establishing a new legal and operational model for DWSD that could enable broadened representation for Flint/Genesee on the Governing Board.

I remain available to discuss this proposal to assure that each of the issues critical to Flint/Genesee are addressed.

Best regards,

Sue McCormick, Director
Detroit Water and Sewerage Department

Cc: Andy Dillon, State Treasurer
Dayne Walling, Mayor – City of Flint
Kevyn Orr, City of Detroit Emergency Financial Manager
Jeff Wright, Genesee County Drain Commissioner
James Fausone, Chair – Detroit Board of Water Commissioners

DWSD Water Supply Costs Estimates to Flint

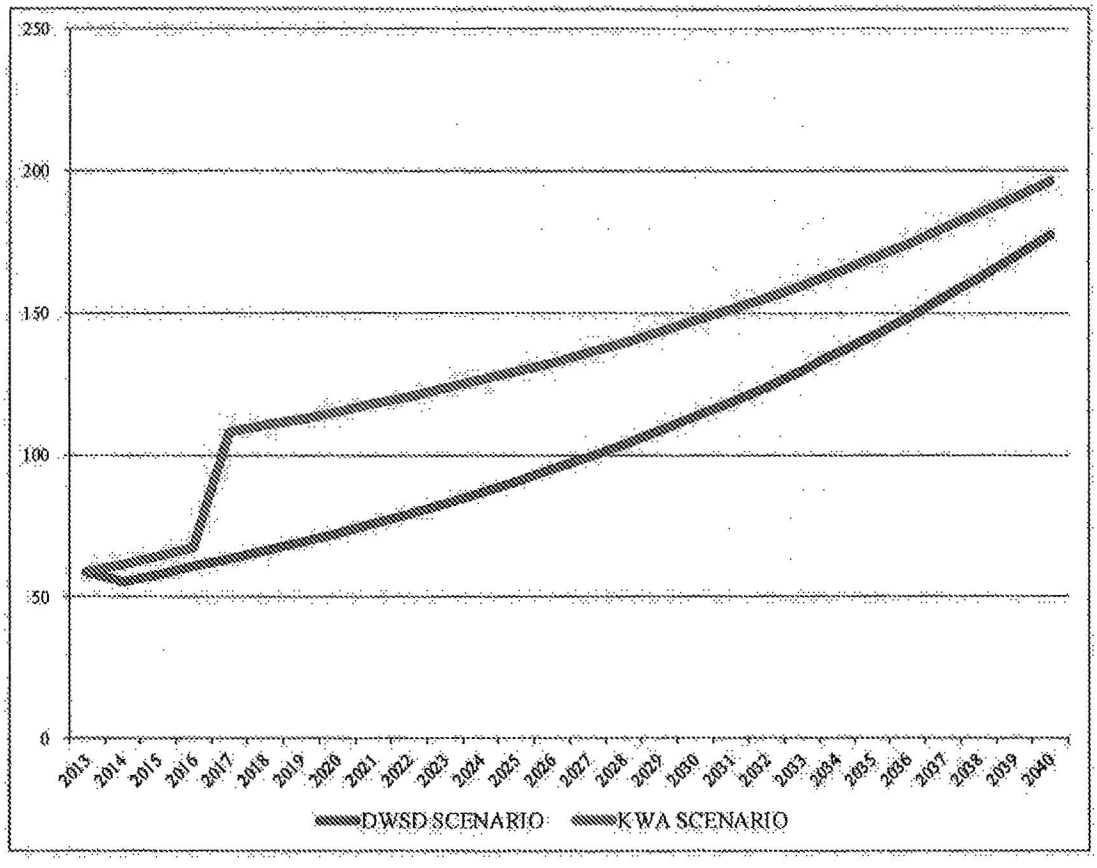
Option	Water Supply Costs ($) through 2042	Ranking by Cost
DWSD 4/15/2013 Scenario 2	587,990,650	1
DWSD 8 MGD Max Day @ Imlay	634,795,488	2
*KWA (10/31/12 No Overruns, As Provided) **	649,775,166	3
DWSD 8 MGD Max Day @ Baxter / Potter	672,671,705	4
KWA-1 (10/31/12 No Overruns with Financing Costs)	707,279,715	5
DWSD 12 MGD Max Day @ Imlay	725,576,803	6
DWSD 12 MGD Max Day @ Baxter / Potter	762,110,308	7
KWA-2 (Treasury Estimate)	766,784,313	8
DWSD 12 mgd Twin Line Proposal / No blending	818,092,150	9
DWSD 18 MGD Max Day @ Baxter / Potter	821,226,268	10

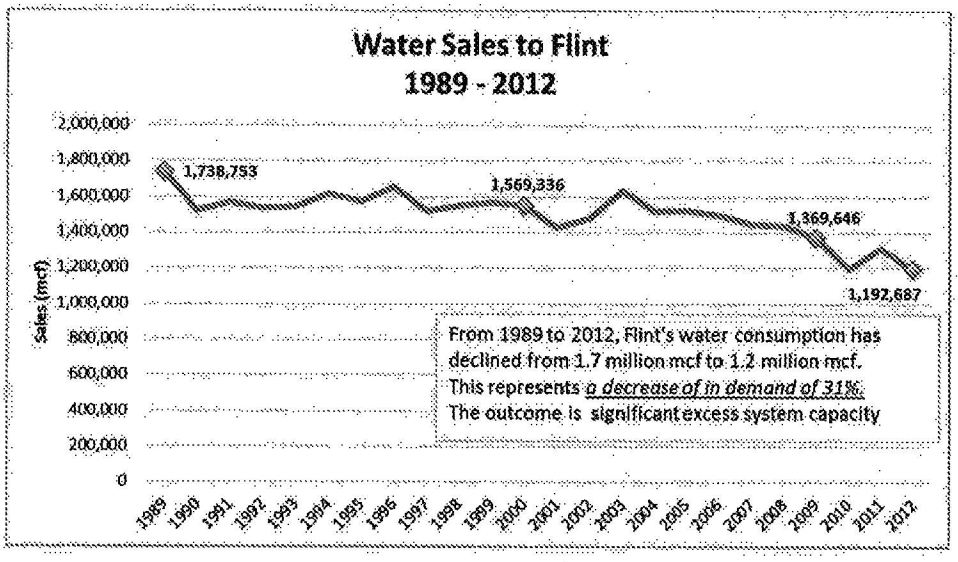
Italicized Options as presented in TYJT Report

DWSD Water Supply Costs Estimates to Flint / GCDC
$ millions

Option	All Water Costs ($) through 2042	Ranking by Cost
DWSD 4/15/2013 Scenario 2	3,282.00	1
Estimate of KWA	4,090.06	2

SUMMARY OF **TOTAL** PROJECTED WATER COSTS TO FLINT/GCDC - SCENARIO COMPARISON *($ millions)*




Water Sales to Flint
1989 - 2012
Sales (mcf)
2,000,000
1,800,000
1,600,000
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
1,738,753
1,569,336
1,369,646
1,192,687
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
From 1989 to 2012, Flint's water consumption has declined from 1.7 million mcf to 1.2 million mcf.
This represents a decrease of in demand of 31%.
The outcome is significant excess system capacity

Subject:	Internal Flint Water Meeting
Location:	Governor's Conference Room, 2nd Romney
Start:	Wed 1/28/2015 10:00 AM
End:	Wed 1/28/2015 11:00 AM
Recurrence:	(none)
Meeting Status:	Accepted
Organizer:	Posthumus, Dick (GOV)
Required Attendees:	Clement, Elizabeth (GOV); Muchmore, Dennis (GOV); Walsh, John (GOV); Wisniewski, Wendy (GOV); Hall, Jean (GOV); Pleyte, Beth (Treasury); Saxton, Thomas (Treasury); Clayton, Stacie (GOV); Hollins, Harvey (GOV); Murray, David (GOV)

Attending:
Dick Posthumus
Dennis Muchmore
John Walsh
Beth Clement
Tom Saxton
Harvey Hollins
Dave Murray

Subject: Mtg/call to discuss Flint Water
Location: Please see dial in information below.

Start: Thu 7/30/2015 8:00 AM
End: Thu 7/30/2015 8:45 AM

Recurrence: (none)

Meeting Status: Accepted

Organizer: Pleyte, Beth (Treasury)
Required Attendees: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY)

Conference Call Number - [redacted]
Access Code [redacted]
Host Id - [redacted](DM to host)

Subject: RDS/DM/JA/EC/RB/DMurray/HH/DWyant/NLyon/MAnderson - Flint After Action Call
Location: By Phone

Start: Tue 11/24/2015 4:30 PM
End: Tue 11/24/2015 5:00 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: GovCalendar
Required Attendees: Baird, Richard (GOV); Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Agen, Jarrod (GOV); Wisniewski, Wendy (GOV); Hollins, Harvey (GOV); Clayton, Stacie (GOV); Wyant, Dan (DEQ); Thelen, Mary Beth (DEQ); Lyon, Nick (DHHS); Scott, Allison (GOV); Murray, David (GOV); Anderson, Madhu (DEQ)

Call In:
[redacted]

[redacted]
Host: [redacted]– host ALS

Purpose: Per RB

Participants:
Matt Davis, Professor of Pediatrics & Internal Medicine U of M
Chris Kolb, President – Michigan Environmental Council
Ken Sikkema, Senior Policy Fellow – Public Sector Consultants
Eric Rothstein, Principal – Galardi & Rothstein Group
Larry Reynolds, Pediatrician Mott Children's Health Center

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Tuesday, January 20, 2015 3:06 PM
To: Kapp, Gene (MSP); Muchmore, Dennis (GOV); Roberts, John (DTMB); Dempkowski, Angela (Treasury); Baird, Richard (GOV); Carter, Jerry (MSP); Deasy, Thomas (MSP); Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Etue, Kriste (MSP); Hollins, Harvey (GOV); Hill, Darryl (MSP); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); Lee, Nichole (MSP); McGowan, Emmitt (MSP); Smith, Paul (GOV); Byrne, Randall (Treasury); Sands, Thomas (MSP); Sipes, Stephen (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY); West, Samantha (GOV)
Subject: Conference Call Agenda for January 21, 2015
Attachments: Agenda for Conference Call with Treasury 012115.pdf

Good afternoon,

Please find attached the agenda for the **Wednesday, January 21st, 9:00 am** conference call.

Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Gerald Ambrose, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

City of Flint Wednesday 9:00am Phone Conference Agenda

January 21, 2015 [redacted], Access code [redacted]

Last Report **Status**

1) Public Safety Update –

[redacted]

2) Governor's Office

Update – R. Baird, H. Hollins,

B. Clement

[redacted]

	Last Report	Status
3) Finance and Administrative Update	[redacted]	
4) City Council Update		

		Last Report	Status
5) Water Issues			
	a) MDEQ Violation Notice	Violation notice received 12/16/14 maximum contaminant level for TTHM exceeded. Public notice required. Notices sent out Jan 5, 2015. Most recent readings in compliance except one location. This issue has become the largest current challenge. Actions: community meetings being held, RFP for river water treatment consulting firm due back 1/26/15, selected MSU water expert will attend 1/21/15 Water Forum. Maor sent a letter to Gov. and others with his Flint Water Improvement Plan whic requests Federal and State assistance. See attached.	Update

[redacted]

6) 9-1-1 Reconsolidation Plan

7) Transition Activities

[redacted]

	Last Report	Status
[redacted]		

	Last Report	Status
8) Other Items	[redacted]	

Attachments:
EM Memo to City Council
Mayor Walling's Letter on Water

CITY OF FLINT

OFFICE OF THE EMERGENCY MANAGER

Gerald Ambrose
Emergency Manager

TO: President Joshua Freeman, Flint City Council
Flint City Council Members

FROM: Jerry Ambrose, Emergency Manager

DATE: January 16, 2015

RE: Update

As the new Emergency Manager of Flint, I look forward to working with you over the next several months as we continue progress towards a sustainable and financially secure city government. As I stated at the time of my appointment, my focus over the next several months is to transition the city from oversight by an Emergency Manager to home rule under the guidance of a Receivership Transition Advisory Board. This will be done by continuing to achieve the expectations set forth in the Seven Point Transition Plan. Assuming those expectations are met, I currently expect such transition to occur sometime during the month of April, 2015.

The progress which has been made is detailed in the attached status report. While progress has been made, there are numerous steps yet to be taken. Many will involve the City Council, including:

- Final adoption of the Capital Improvements Plan
- Final adoption of ordinances regarding planning, budgeting, fund balance, deficit elimination, purchasing, and others which are necessary to establish the organizational structure upon transition
- Completion of training requirements for Council members
- Adoption of an updated Strategic Plan from the FY15/FY19 Plan to the FY16/FY20 Plan
- Adoption of budget priorities for development of the FY16/FY17 budget

I will be working with the City Council, Mayor Walling, City staff and the new City Administrator Natasha Henderson to assure that we can achieve these, and other necessary steps.

There are other issues which we will all continue to address. One primary issue, of course, is the issue of water quality. We all know it is a very serious concern, and our staff is working every day to improve water quality. The plan articulated by former Emergency Manager Darnell Earley, which does not include reconnecting to DWSD, remains in place at this time. This week, as promised, the City released an RFP to secure the services of a firm with experience in improving water quality where the source of water is a river. We also posted on the City's web site answers to some questions which have been raised in the community. We will continue to add information as it becomes available. We are also planning on an informational meeting next week to continue addressing citizen concerns.

Another issue is the low level of resources available to address public safety issues in the City. As you know, we commissioned an independent study of our police and fire organization in order to assess our capacity and to determine how to best organize our police and fire departments in light of their diminished resources. The results of that study are being presented next week at the Council's Public Safety meeting, and will provide guidance as we consider the upcoming FY16 and FY17 plans and budgets.

Finally the issues surrounding water and public safety emphasize the tenuous financial situation of the City – one which, while significantly improved, will remain tight. The five year financial projections done last year, and the adopted budgets for FY15 and FY16, showed financial stability for FY15 and FY26, but projected a very significant gat between revenues and expenses for FY17. Regardless of whether or not the City remains under the control of an Emergency Manager, balancing the FY17 budget in a financially responsible manner will be a challenging task. If decisions become necessary to further reduce the workforce and service levels, they will be very difficult, as there are no easy answers. Likewise, responding to demands for high levels of service and lower costs in the form of water rates or taxes will also be difficult.

Achieving our objectives will take time and effort for all involved. In the next week, the Finance Committee will be meeting on Wednesday to review the second quarter Progress Report on the Strategic Plan, and the same evening will be a City-sponsored forum on water issues. Next Thursday, the Public Safety Committee will meet to review the results of the ICMA Police and Fire study. The following Monday, January 26, will be the regular Council meeting, where the FY14 audit will be presented and where the Council will consider adoption of the Capital Improvement Plan, as well as second reading and final adoption of the strategic planning and budgetary ordinances.

Looking further forward, the Council will be engaged in updating the Strategic Plan, beginning with a workshop on Wednesday, January 28th. It is anticipated that a special Finance Committee meeting will be necessary for February 4th, in order that Council can consider adoption of the framework of the updated Strategic Plan on Monday, February 9th.

Over the next several weeks I will be working with City staff to develop a tentative calendar of events which will guide the budget preparation process and other items which I feel need to be completed prior to transition.

This is an aggressive agenda for all of us. I believe it is critical to have in place the many pieces necessary to both prepare for a successful transition, and more importantly, so that the City of Flint continues on a path of sustainability and financial stability.

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

Jason Lorenz
Public Information Officer
(810) 237-2039
jlorenz@cityofflint.com

For Immediate Release

City of Flint Will Hold Public Water Presentation Wednesday, January 21, 2015 at 7:00pm in the City Hall Dome

Flint, Michigan – January 16, 2015 – The City of Flint will be hosting a water presentation on Wednesday, January 21, 2015 at 7pm. That presentation will be held in the City Hall Dome and will feature information detailing water treatment, water distribution and the steps being taken to ensure that citizens get water that meets all regulatory safety and quality standards. "We want the residents, businesses and visitors of Flint to know that the water in Flint is safe and that we are working every day to make improvements to our system to ensure that," said City DPW Director Howard Croft. "Our goal is make sure we get people the information on our efforts and assure them that we are on the right track with them."

DPW Director Croft and Utilities Administrator Daugherty Johnson will be joined on a panel by representatives from the Genesee County Drain Commissioner's office, the Michigan Department of Environmental Quality and LAN engineering. Written questions from the audience will be collected during the presentation and answered by the panel after the presentation.

–END–

Addressing Flint's Water Concerns

Recent events have raised concerns among many as to the safety and quality of the water provided by the City's utility system. The City is and continues to be committed to assuring that residents and visitors know that the water is safe and that those responsible for providing water are working every day to improve the quality of the water. The quality of the water does need improvement, but that is not to be confused with safety of the water. The recent notice by MDEQ clearly stated that the water provided by the utility system is safe to drink, but cautioned that some vulnerable groups may want to consult with their health care provider if they have concerns. The City remains committed to their efforts to assure that the water is safe for everyone and that quality is both improved and improving.

To date, the City has taken the following actions:

- As an integral part of the transition to the Flint River on a temporary basis, the MDEQ was consulted about the City's plans, and ultimately issued necessary permits to proceed. The City also engaged the services of the LAN engineering firm to guide the city in installing the necessary equipment to treat the water on an ongoing basis. This resulted in the development of a comprehensive drinking water plan.

- The City monitors its water quality on a daily basis to assure that water quality remains within established guidelines. With the variances in water temperature and the leakage and infiltration problems arising as the result of failure of parts of the distribution system, water quality did exceed, for a time, some of the established guidelines. This resulted in the issuance of the recent notices to the public. Upon receipt of information that some guidelines were exceeded, the City's priority focus was to bring water quality back within guidelines. Efforts taken to address non-compliance included increasing water flow through valve replacements and hydrant flushing and optimizing treatment processes.

- The City has committed to increasing communication with the public in order to inform water users factually of the issues which have arisen, to alleviate unnecessary concern and to identify the steps being taken to address the issues. This is being implemented through detailed and easy to understand educational materials being made available both online and at City Hall, as well as through ongoing public informational meetings.

- Most recently, in light of recent concerns raised by resident groups over the quality and safety of water, Department of Public Works Director Howard Croft and his staff collected questions from citizens during a recent public meeting. After reviewing these questions, DPW Director Croft and his staff set out to answer them in concise detail; the result of that work is a full Water System Questions and Answers document is available online. Along with the detailed information within, the document also contains links to other source documents and regulatory statutes found online which were used as reference. **"We want the residents, businesses and visitors of Flint to know that the water in Flint is safe**

and that we are working every day to make improvements to our system to ensure that," said Croft. "Our goal is make sure we get people the information on our efforts and assure them that we are on the right track with them." More documentation, including regular water quality monitoring reports, will be made available.

- Additionally, a number of public meetings have and will continue to take place. Two of the most recent of these took place at the Antioch Baptist Church and the Mott Community College Regional Technology Center. These meetings were held by concerned neighborhood groups and were attended by Mayor Walling and DPW Director Croft. At both meetings, citizens voiced their concerns and asked questions about water quality and the recent violation notice. Director Croft offered detailed answers to common questions, but also offered to investigate specific water issues raised by residents in which the City could offer assistance. Those in attendance came away with a better understanding of the issues surrounding the drinking water in their community.

- The City of Flint will be hosting a water presentation on **Wednesday, January 21, 2015 at 7pm. That presentation will be held in the City Hall Dome** and will feature information detailing water treatment, water distribution and the steps being taken to ensure that citizens get water that meets all regulatory safety and quality standards. City DPW Director Howard Croft and Daugherty Johnson, Utilities Administrator, will be joined on a panel by representatives from the Genesee County Drain Commissioner's office, the Michigan Department of Environmental Quality and LAN engineering. Written questions from the audience will be collected during the presentation and answered by the panel after the presentation.

- The City of Flint has also determined that in light of the serious concerns raised, it will secure the services of an external firm with expertise in managing drinking water quality to assess the steps that the city has taken, to make recommendations as to other steps to be taken, to oversee their implementation, and to monitor operations until the City's water source becomes the KWA. A Request for Proposal was issued on January 15, 2015, with proposals due back on January 26.

The DWSD Question:

As a result of the concerns raised, several community members have suggested that the City reconnect to the Detroit Water and Sewer Department (DWSD). DWSD has advised that they would be willing to allow such a reconnection without a hook-up fee. However, the City would be obligated to pay a fixed monthly charge of $846,700 plus the $14.92/Mcf cost of water itself and agree to a long term arrangement. The City's analysis of the DWSD proposal concludes that the City's cost would increase by more than $12 million per year at the proposed rates, and could increase even more as proposed rates are subject to change after July 1, 2015. This increase in costs would not be in the best interests of the City or its water users, as the City is committed to assuring safety and improving water quality by following its current plan, and reconnecting to DWSD would likely require deferment of existing capital improvements or an additional increase in rates.

City of Flint

Water System Questions & Answers

January 13, 2015

^ CITY HALL, 1101 S. SAGINAW STREET, RM 510S, FLINT, MICHIGAN 48502 (810) 766-7135 Fax (810) 766-7246 ^

CITY OF FLINT

Department of Public Works

Dayne Walling
Mayor

Gerald Ambrose
Emergency Manager

Howard Croft
Director

TO: City of Flint Residents

RE: Water Questions

DATE: January 13, 2015

Prelude

The decision to switch to the Karegnondi Water Authority as the City's permanent water source was made following extensive research and in-depth engineering studies. After entering into a contract with KWA and the subsequent termination of the existing water service contract by the Detroit Water and Sewerage Department, the same diligence was given in determining what source water to use while waiting for the community supported KWA water to arrive. The City concluded from this work that the Flint River presented a safe and financially responsible alternative water source. The decision to use the Flint River as an intermediate water source was approved by state regulatory officials in 2014 whereby the City was permitted by the Michigan Department of Environmental Quality to proceed with treatment of water from the Flint River.

The following questions were presented by concerned citizens, and the City's responses follow. This document will be put on the City's website for public viewing within the next several days.

1. What was the process by which the decision was made to switch from Detroit water to Flint River water? Who was responsible for what decisions?

On March 25th, 2013, after evaluating cost comparisons for a permanent water source, the Flint City Council, with support from the Mayor, voted 7 – 1 approving a resolution to purchase water from the Karegnondi Water Authority (KWA). On March 29th, resolution 2013EM041 was signed, authorizing the City of Flint to enter into a contract with the KWA.

On April 16th, 2013, then Emergency Manager Ed Kurtz, signed the contract effectively purchasing 18 MGD of capacity from the KWA.

On April 17th, 2013 Detroit Water and Sewerage Department (DWSD) sent a letter terminating the existing water service contract between the City of Flint and Detroit. With the termination set to take effect 12 months later on April 17th, 2014, a gap was created between the end of the DWSD contract and the start of the KWA.

On June 29th, 2013, following many preliminary discussions on how the City would fill the interim gap, a formal, all day meeting was held at the Flint Water Plant with all interested parties including City of Flint Officials (COF), representatives from the Genesee County Drain Commissioners Office (GCDC), the Michigan Department of Environmental Quality (DEQ), and the design engineers from the previous plant upgrade Lockwood, Andrews, and Newnam (LAN).

The purpose and agenda of the meeting was to determine the feasibility of the following items:

1. Using the Flint River as a Water Source
2. The ability to perform the necessary upgrades to the Treatment Plant
3. The ability to perform quality control
4. The ability for Flint to provide water to Genesee County
5. The ability to meet an April/May 2014 timeline
6. Development of a cost analysis

The conversation was guided with focus on the engineering, regulatory, and quality aspects of each item listed. The resulting determinations were made.

1. Yes, the Flint River would be more difficult to treat but is viable as a source.
2. Yes, it was possible to engineer and construct the upgrades needed for the treatment process.
3. Yes, with support from LAN engineering which works with several water systems around the state, quality control could be addressed.
4. No, the Flint treatment plant would not have the capacity needed to treat and distribute sufficient water to meet the documented needs of Flint and Genesee County.
5. Possible, it was determined that many obstacles needed to be overcome but completion by the April/May 2014 target was reachable.
6. Next steps from the meeting were for LAN to present the City with a proposal that would include engineering, procurement, and construction needs for the project along with cost estimates.

As a result of extensive evaluation, discussions with the professional engineers, and consulting the state regulators, the Department of Public Works along with the Finance Department recommended utilizing the Flint River as a temporary water source while waiting for the KWA to come online. The plan to accomplish this was accompanied with a construction timeline, a needs analysis for resources, and an FY 14 spending plan to complete the project.

2. Was it known prior to the switch that there would be problems managing total coliform and fecal coliform bacteria levels in the water?

It was understood that the Flint River would be subject to temperature variations, rain events, and have higher organic carbon than Lake Huron water and would be more difficult to treat. These facts were balanced against a licensed staff, LAN engineering's extensive experience in this field, advanced equipment that Flint has for treatment, and support from the DEQ.

3. What were the projected costs and benefits of the switch, and what have been the actual costs and benefits?

The engineered costs for upgrading the Flint Plant to treat KWA water from Lake Huron were projected to be ~$9,000,000. These upgrades need to be in place prior to KWA water reaching Flint and are coupled with an additional ~$3,500,000 in annual operational expenses for workforce additions, electricity costs, and process equipment for a total of ~$12,500,000.

The final year that the City of Flint purchased water from DWSD, the cost was $12,400,000 and that cost was projected to rise to ~$14,400,000 in 2014 and increase to ~$16,000,000 in 2015.

The financial benefit for switching to the river was the opportunity to divert that revenue towards capitalizing the upgrade expenditures needed to run the plant and the development of a capital improvement program for the aged infrastructure without a significant increase to the water bill. This aspect was figured into the cost analysis at the time of the recommendation.

Based on the current DWSD rate structure, it appears that the actual costs to purchase water this year would have been higher than projected, The fixed cost would have been ~$5,100,000 and the additional commodity or water costs would have resulted in another ~$11,000,000 given the City's current water usage. This would result in an estimated ~$16,000,000 in this year alone.

The upgrade expenditures stayed close to the engineered projections. The improvements at the water plant cost ~$7,000,000, the remediation and development of Bray Rd for lime disposal cost ~$1,700,000 and the increased operational costs so far this year are below the estimates and on target to finish the year at ~$3,000,000. These changes come to a total of ~$11,700,000 of necessary expenditures in the first year.

In addition to the ability to capitalize the upgrades, switching to the Flint River has allowed us to develop a Capital Improvement Plan for the Utility Department that will begin replacing pipe underground this spring and will account for overdue maintenance concerns such as valve replacements, and pipe lining extending the useful life of the system and allowing us to deliver better quality water.

It would have required close to a 30% raise in the water and sewer bill to accomplish this without using the Flint River as a source.

4. What were the causes of increased levels of trihalomethanes? Have those causes been sufficiently addressed? If not, what needs to be done to prevent this from occurring again in the future?

Just as low levels of chlorine can produce coliforms, high levels of chlorine can result in Disinfectant Byproducts (DBP) generating increased levels of trihalomethanes (TTHM). The DEQ requires this testing to occur once every three months at each of the testing sites and looks at an average over four quarters (one year) to determine the level to compare against the maximum contaminant level (MCL).

Research by the Science Advisory Board, the National Academy of Sciences, and the USEPA's Carcinogen Assessment Group predicts risk estimates associated with high levels of TTHM at an incremental risk of 3 to 4 people out of 10,000 that consume 2 liters of water over the MCL daily for 70 years.

The required remedy for this violation is to present the DEQ with an Operational Evaluation Report that assesses what caused the violation and what the proposed remedy is. The City generated a report to the DEQ in November 2014, which assesses each area of the Flint water system including water source, treatment process, and distribution system. The evaluation was complete with short and long term recommendations to optimize each area and the belief that the items listed would correct the violation and give Flint an increased ability to manage the system. Continued repairs on valves and colder temperatures have created a more consistent chemical footprint, and we have been producing a more consistent water quality.

5. What were the causes of increased levels of total coliform and fecal coliform bacteria levels? Have those causes been sufficiently addressed? If not, what needs to be done to prevent this from occurring in the future?

What we discovered is that as water travels through the 600 miles of the City's distribution mains it will, at times, reside in the system for up to 3 or 4 weeks. Water purchased from DWSD is drawn from Lake Huron, chlorinated, and then travels over 80 miles to reach the City. By the time the water reaches Flint it is stable and capable of withstanding this type of residency time within the system. Water drawn from the Flint River, specifically in summer months when the temperature is fluctuating, is more susceptible to being impacted by variables such as high residency times and increased chemical reaction.

The DEQ requires that a minimum of 100 tests be performed monthly for chlorine residuals at various locations throughout the system. When residual levels are too low, it creates an environment in which bacteria such as fecal coliform can grow. After switching sources, we encountered testing sites in June, 2014 that were consistently returning low residual levels. Several of these sites became areas that total coliform was eventually detected and ultimately boil water notices issued.

Low residual levels can sometimes trigger a positive test result for total coliform which is an indicator of a poor water environment but does not generally require a boil water notice. The normal course of action in these situations is to flush hydrants and introduce fresh water into the defined area. In certain areas this was successful and in other areas it was not. In a second course of action, the EPA also allows for water systems to increase the residual disinfectant, including chlorine, to a level and for a time necessary to protect public health. This information can be found in the EPA manual (40 CFR 141.65 & 141.130(d)). In contending with the low residual levels which represent a more immediate health concern along with the potential for tier 1 violations and boil water notices, we increased the chlorination treatment at times in order to combat the low residuals. This was also was an unsuccessful remedy and only after we located and replaced valves that were broken in the closed position on major transmission lines in these areas did the residual levels return to normal and have remained that way since.

There is still one test site, in the 2500 block of Flushing Rd, where we continue to experience low residual levels and we are actively pursuing efforts to locate more expected valve failures. The development of a hydraulic model of the system and the ability to use unidirectional flushing are tools that will assist us in mitigating areas where low residuals surface. Both of these are in progress of being developed by the engineering firm LAN and Potter Consulting who was also the author of our Water Reliability Study.

6. What are the public reporting requirements for these sorts of problems, and has the City met those requirements? What can be done to communicate in a more timely manner useful information about a public health threat such as the presence of cancer-causing chemicals in our drinking water?

The EPA 2010 "Revised Public Notification Handbook" has a specific breakdown of the elements required in public notifications and includes usable templates. The EPA has three different tiers associated with community water systems (CWS), each with specific timeframes and requirements that trigger upon issuance of the violation.

- Tier 1. CWS must provide public notification within 24 hours of a violation and continue this as directed by the primary agency.
- Tier 2. CWS must provide public notification within 30 days of a violation and continue this every three months until the violation is resolved
- Tier 3. CWS must provide public notification within one year and the EPA recommends repeat occurrences be provided in an annual notice

The current EPA violation is classified as a tier 2 violation and was issued December 16th, 2014.

Moving forward, the City of Flint is striving to increase communication with the public in a variety of ways.

- The city's new website will have current news and information updated on a regular basis.
- Increased data collection will be transitioned into real time ability to communicate with the residents through the Public Works area of the City's new website.
- Timely reporting of current test results on the new City website.

The establishment of these tools is in progress and expected to be implemented in the near future along with evaluating other avenues of communication.

7. **Is there any reason to think that these or similar problems will continue even after the shift is made to water from Lake Huron?**

The water coming from Lake Huron via KWA will be more consistent in temperature, have lower organic carbon, and will be less susceptible to variations but will have its own chemical footprint. The construction upgrades to the Flint Treatment Plant give us the ability to draw water from either source and should provide Flint the opportunity for testing and thereby streamlining the treatment process to match the Lake Huron chemical footprint before fully introducing it into the distribution system.

In addition to new source water, following the recommendations contained in the Operational Evaluation Report and the City's Water Reliability Study is the roadmap to being able to provide quality water.

Continuing to identify integrity issues and making preemptive repairs within our antiquated infrastructure are needed to maintain and provide a healthy system. Leak detection which is scheduled for the spring, hydraulic system modeling which includes unidirectional flushing is in progress now and will give us the information and tools to accomplish these goals.

8. **Who is responsible for making sure we don't have these sorts of problems, and did that person or those people fail to meet their responsibilities?**

The Utility Department is a Division underneath the Department of Public Works. The Public Works Director along with the Utilities Administrator will continue to work hand in hand with professional engineers, consultants, and the state regulatory agency DEQ in order to manage increased public communication and address any issues that arise going forward.

The DEQ requires that public water systems with population over 20,000 must have an F-1 state licensed operator in charge that oversees the operation of the treatment process. This license is the highest classification in the state that specializes in "complete treatment" The City of Flint has such a person on staff at the water plant and that person's responsibility is to determine the correct levels of chemical treatment, monitor the system, submit official test results to the state regulatory agency, and make necessary adjustments when contaminant levels are breached. All of these steps were followed and acknowledged by the DEQ.

The following is the list of supporting documents that will be available on the City's website for public viewing.

Cost Comparisons (the ROWE Study)

Upgrade Construction Timeline

EPA Chlorinating Information

Risk Assessment Information

Operational Evaluation Report

EPA 2010 revised Public Notification Handbook

The Current DEQ Violation Letter

Flint Water Reliability Study

Respectfully submitted,

Howard D. Croft
Public Works Director

Dayne Walling
Mayor, City of Flint

Gerald Ambrose
Emergency Manager

CITY OF FLINT

Dayne Walling
Mayor

January 18, 2015

The Honorable Rick Snyder
Governor, State of Michigan
P.O. Box 30013
Lansing, MI 48909

RE: Flint Water Improvement Plan

Dear Governor Snyder:

On behalf of the Flint community, I am writing to convey serious concerns about water quality and to request your support for my proposed Flint Water Improvement Plan. Access to safe and clean water is a basic human right, and, therefore, policy and budget decisions need to ensure that water is affordable and secure for everyone in Flint and all across Michigan It is essential there is City, State and Federal cooperation to address the challenges here and to meet the needs of vulnerable populations.

The Flint Water Improvement Plan is focused in five areas: safety, quality, access, investment and education. The plan puts safety and quality first because this is fundamental. It is designed to be a sustainable solution for the City of Flint and the community as we move towards a new permanent water supply from Lake Huron through the Karegnondi Water Authority. My plan offers new ideas and also builds on successful models of utility, energy and assistance programs at the State and Federal levels.

Safety & Quality

- 100% Safety is the standard
- City of Flint reports testing data to the public to assure safety and expands testing sites and frequency
- Bring on experienced river water treatment operational management in the City of Flint

Access

- Announce an amnesty program for Flint water service turn-ons and reduce the turn-on fee
- Develop a revised affordable payment plan policy to encourage customers to return
- Design Federal and State partnership to establish new Drinking Water Emergency Assistance Fund for the elderly and vulnerable families

Investment

- Accelerate water system improvements outlined in the City of Flint Capital Improvement Plan through Federal and State investments
    - State approves City of Flint's Distressed Cities Fund applications

- Federal and State support for replacement or forgiveness of payment to the Drinking Water Revolving Loan Fund due to Flint's status as a distressed community
- Federal and State grants for infrastructure improvements in alignment with the Flint Master Plan

* City Water Department implements budgeted FY15 projects including leak detection, valve repairs, new pipes and meter replacements

Education

* Develop a community partnership with universities to provide household and business customers with information on testing and conservation
* Ongoing partnership with Michigan Department of Human Services, United Way, Salvation Army and community organizations to provide information and water assistance with the Keep the Water Flowing Fund and support services
* Expand youth energy initiative to assist households with conservation and efficiency (piloted in summer 2014 with Northwestern High School students, EcoWorks and Consumers Energy)

It is also critical to restore the public confidence in Flint Water. The implementation of this plan must be accompanied by extensive community engagement including local elected officials. My objective is to work with you and your appointed officials, State Senator Ananich, State Representatives Phelps and Neeley, Congressman Kildee, community groups, businesses, churches, foundations, the Flint City Council, and all of the City of Flint and government personnel.

It is imperative that we communicate better and provide residents more information. I understand representatives from the Michigan Department of Environmental Quality will be joining a public forum this week at City Hall. This engagement going forward is vital so thank you for supporting their efforts. I think this issue of transparency is important for communities all across the State. I recommend a review of the applicable laws and policies and, at a minimum, a new requirement that water testing data be reported publicly no less than quarterly by law in all Michigan communities in Flint's population category.

Thank you for the consideration Governor. There is nothing more important in Flint right now than fixing the water problems. We must work together to identify funds to repair and update the water treatment facilities and city-wide infrastructure and to help those persons without access to clean water so that the entire Flint community has sustainable, safe, secure and affordable water now and into the future. This is an important issue for the state of our State of Michigan and I urge you to work with us to implement solutions.

Sincerely,

Dayne Walling, Mayor
City of Flint

CC: Flint City Council President Joshua Freeman; Congressman Dan Kildee; State Senator Jim Ananich; State Representative Sheldon Neeley; State Representative Phil Phelps; Flint Emergency Manager Jerry Ambrose

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Tuesday, April 14, 2015 2:54 PM
To: Kapp, Gene (MSP); Muchmore, Dennis (GOV); Roberts, John (DTMB); Dempkowski, Angela (Treasury); Baird, Richard (GOV); Carter, Jerry (MSP); Deasy, Thomas (MSP); Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Etue, Kriste (MSP); Hollins, Harvey (GOV); Hill, Darryl (MSP); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); Lee, Nichole (MSP); McGowan, Emmitt (MSP); Natasha Henderson; Smith, Paul (GOV); Byrne, Randall (Treasury); Sands, Thomas (MSP); Sipes, Stephen (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY); West, Samantha (GOV)
Subject: Bi-Weekly Conference Call
Attachments: Agenda for Conference Call with Treasury 041515.xlsx; warer quality plan 4 14 15.pdf; Update & Transition Progress April 13 2015.pdf; Update & Transition Progress April 13 2015 Media Release.pdf

Good afternoon,

Please find attached the agenda for the 9:00 am conference call scheduled for **Wednesday, April 15, 2015.**

Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Gerald Ambrose, Emergency Manager
Natasha L. Henderson, City Administrator
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

	A	B	C	D	E
1	**City of Flint Wednesday 9:00am Phone Conference Agenda**				
2	**April 15, 2015**		[redacted], Access code [redacted]		
3			**Last Report**		**Status**
4	**1) Public Safety Update – FPD, MSP, (FFD, if needed)**				
5		[redacted]			
6					
7					
8					
9					
10					
11					
12	**2) Governor's Office Update – R. Baird, H. Hollins, B. Clement**				
13		[redacted]			
14					
15					
16	**3) Finance and Administrative Update**				
17		[redacted]			
18					
19					
20					
21					
22	**4) City Council Update**				
23		[redacted]			
24					
25					
26					
27	**5) Water Issues**				

	A	B	C	D	E
28		a) MDEQ Violation Notice	Water is within federal/state guidelines. Violation notice and water update mailed last week.		Complete
29		b) Drinking Water Revolving Fund	Order #2 was issued to restructure and amend the debt service payments on the DWRF Bonds, by postponing the principal payments. Funds to be used to finance GAC installation and other recommendations		Complete
30		c) Action plan on water quality	Action plan based on consultant's recommendations has been developed and shared with Council and advisory committees. Approval of contract for installation of granulated activated charcoal (GAC) filter (primary recommendation) received from Treasury.		Update
31					
32	**6) 9-1-1 Reconsolidation Plan**	[redacted]			
33					
34					
35	**7) Transition Activities**				
36					
37					
38					
39	**8) Other Items**				

City of Flint
Water Quality Implementation Plan

Item	Cost	Owner & Support	April				May				June					July				August					September			
			6	13	20	27	4	11	18	25	1	8	15	22	29	6	13	20	27	3	10	17	24	31	7	14	21	28
Clean Plate Settlers	N/A	F-1 / DPW	Staff																									
Repair Clarifier	$10,000	F-1 / DPW			Contractor																							
Chemical Dosing & Levels	TBD	F-1 / DPW					Staff / LAN																					
GAC Purchase & Installation	$1,600,000	LAN / DPW	Design/DEQ Approval				Procurement				Mobilization					Installation												
Watermain Leak Detection	$900,000	S-1 / DPW	RFP / Response				Contract				Mobilization					Performance / Repairs												
Hydraulic Model & Flushing Program	$173,700	LAN / DPW	Model being populated with field data																									
2 Miles of Pipe Replacement	$2,163,000	S-1 / DPW	RFP / Response				Contract Signing				Mobilization					Construction												
Total	$4,846,700																											

CITY OF FLINT

OFFICE OF THE EMERGENCY MANAGER

Gerald Ambrose
Emergency Manager

TO: Josh Freeman, President, Flint City Council

From: Jerry Ambrose, Emergency Manager

Cc: Flint City Council
Mayor Dayne Walling
Natasha L. Henderson, City Administrator

DATE: April 13, 2014

RE: Update and Transition Progress

Thank you for your consideration of my request for authorization to apply for the $7 million loan from the State's Emergency Loan Board. This loan, if approved, will be used to eliminate the City's General Fund deficit ahead of the schedule in our current Deficit Elimination/Reserve Accumulation Plan. This will enable the City to move forward with building adequate reserves necessary to foster financial stability. This, along with the commitments established in ordinance to develop and maintain a multi-year budget based on a strategic plan and to address the funding of long term liabilities, Flint's financial solvency can be sustainable.

Thank you also for your consideration of the proposed consolidation of the 68th and 67th District Court, an action which has been long in the making. Recommended by the State Court Administrators Office and authorized by state law, the consolidation is planned to become effective January 2, 2016. The Memorandum of Understanding, approved today by the Genesee County Board of Commissioners, details the advantages the consolidation will have for the City of Flint. The city will see a reduction in costs of more than $8.4 million over the first 10 years, providing some much needed funds to support police services. Additionally the new court division is assured of at least 2 probation officers, something which the Court has not had for several years. And, as provided in both law and the agreement, judges will continue to be elected from within the City.

As you know, my focus over the past few months has been and continues to be transitioning the City from oversight by an Emergency Manager to home rule under the guidance of a Receivership Transition Advisory Board.

Much progress has been made in preparing for the transition, including action by the City Council to complete the following:

- Final adoption of the Capital Improvements Plan
- Final adoption of ordinances regarding planning, budgeting, funds balance, and deficit elimination
- Update of the Strategic Plan's Vison, Mission, and Goals
- Adoption of budget priorities to guide development of the FY16/FY17 budget

Additionally, our new City Administrator Natasha Henderson is on board and is assuming duties as the experienced and professionally trained chief administrative officer for the City.

There are several issues which we are continuing to address, including:

- Water safety, quality, and affordability continues to be a top priority. The City's water supply today is safe, as measured by the same MDEQ standards that have been in place for years, and steps are being taken to improve treatment and distribution processes in order to address issues of discoloration and odor, and to assure continued safety. Reviews of our pricing structure are also underway to assure that customers are treated equitably while generating sufficient revenue to operate the system.

  Public safety continues to be an area of critical concern. The independent study of our police and fire organization provided a number of recommendations focused on how to best deploy the resources we have, and also confirmed that the staffing levels afforded by our limited resources are extremely low in comparison to comparable municipalities. This emphasizes the critical continuing importance of renewing the two voter-approved public safety millages and working to assure continuing state support through the assignment of state troopers and through financial support of the City lock-up. Loss of any of this support would be a disaster for the City.

- Achieving and then maintaining financial stability will continue to require constant attention. Approval of the ordinances regarding financial stability and the anticipated approval of the $7 million loan provide additional tools with which to work. Attention will need to be paid to not only developing and adopting budgets for FY16 and FY17 but doing so in the context of understanding the impact of those budgetary decisions into the following three years. Essential to this is making the budget decisions which truly address achievement of the stated vison, mission and goals for the City as adopted by the City Council. Unfortunately, the challenges in doing so will be great, as the City will continue to be faced with the reality of a structural deficit, where for the foreseeable future current expenditure patterns exceed revenue streams – a difficult position, given the City's already low level of services. Complicating this further is the potential impact of the retiree health care lawsuit, once the final outcome is decided.

- Finally progress continues with modernizing the operations of the City and setting the framework for future development. With the Master Plan and Capital Improvement Plan in place, focus is now turning to implementation, including updating the Zoning Ordinance.

As we move forward with preparing for transition, there is much work yet to do. Today I am taking three actions consistent with our path:

- Adoption of an updated purchasing policy – I am enacting the revisions to the Purchasing policy which were reviewed by Council within the past few months. These changes are made with the goal of assuring that the process of obtaining goods and services is consistent with the expectations of the Strategic Plan. There must be proper oversight and transparency, with a goal of obtaining goods and services that best meet the needs of City departments. The process must ensure competitive procurement, conducted in a timely and ethical manner. The City Council has an important role in assuring compliance with the policy, which is not the same as conducting purchasing operations.

- Confirming the role of the City Administrator – Before the search for a new City Administrator was begun, it was determined, within the context of the Seven Point Transition Plan, that an experienced and professional City Administrator would be selected on the basis of an open competitive process, and that the duties of the City Administrator would be structured in a manner which assures the ability to manage and direct the administrative affairs of the City in a professional manner. While those duties and expectations were described in the job description of the City Administrator and in recruitment materials, I am now formally enacting them in Emergency Manager Order Number 3.

- Re-establishing salaries for Mayor and Council – As we are moving towards transition, the duties and responsibilities of the Mayor and City Council are expanding towards the traditional roles of a City operating under home rule. Council meetings are now held twice per month, with committee meetings held once per month. The Mayor is now much more engaged in a Chief Executive role. Consequently, I have determined to re-establish the salaries for Mayor and Council at the levels in place immediately prior to the appointment of an Emergency Manager in November, 2011. Continued receipt of the re-established salaries, however, is contingent upon attainment of certain training. The re-established levels, and the contingency regarding training, is found in Emergency Manager Order Number 4.

Over the next several weeks, there will be much work with respect to finalizing the loan application and developing the FY16 and FY17 budgets along with FY18, FY19, and FY20 projections. Work will also continue with implementing improvements of the water system, and reviewing our associated rate structure. Evaluation and implementation of the recommendations for best use of

police and fire resources will continue, including corrective action for the police evidence room issues. Summer street maintenance and repair programs, as well as sidewalk repairs will soon be underway. Public meetings regarding the zoning ordinance are being held, with a recommended updated ordinance expected for consideration in late spring. A revision to the City's business licensing ordinance is expected soon. These are but a few of the many activities to be expected as the City makes the best use of its resources to provide the best level of service it can within the resources it has.

I look forward to working with you as we move towards transition to home rule under the guidance of a Receivership Transition Advisory Board. Please contact me if you have any questions.

EMERGENCY MANAGER
CITY OF FLINT
GENESEE COUNTY MICHIGAN

ORDER No. 3

CITY ADMINISTRATOR

BY THE POWER AND AUTHORITY VESTED IN THE EMERGENCY MANAGER ("EMERGENCY MANAGER") FOR THE CITY OF FLINT, MICHIGAN ("CITY") PURSUANT TO MICHIGAN'S PUBLIC ACT 436 OF 2012, LOCAL FINANCIAL STABILITY AND CHOICE ACT, ("PA 436"); GERALD AMBROSE, THE EMERGENCY MANAGER, ISSUES THE FOLLOWING ORDER:

Pursuant to PA 436, the Emergency Manager has broad powers in receivership to rectify the financial emergency and to assure the fiscal accountability of the City and its capacity to provide or cause to be provided necessary services essential to the public health, safety and welfare; and

Pursuant to PA 436, the Emergency Manager acts in place of local officials, specifically the Mayor and City Council, unless the Emergency Manager delegates specific authority; and

Pursuant to PA 436, the Emergency Manager has broad power to manage the local government, and may issue orders to elected and appointed officials necessary to accomplish the purpose of the Act. An Order issued under PA 436 is binding on the person to whom it is issued; and

IT IS HEREBY ORDERED:

The City Administrator shall serve as the City's Chief Administrative Officer at the pleasure of the Mayor, City Council and Emergency Manager or Receivership Advisory Transition Board (hereinafter "Board"), in accordance with the provisions of her contact with the City of Flint

dated February 23, 2015, and is charged with implementing executive and legislative directives and policies of the Mayor and City Council, subject to oversight of the Board, including strategic planning and budgeting, and with directing the management of day-to-day-administrative activities and appointed staff officials.

Consistent with the City Administrator Employment Agreement and Position Description, and subject to the approval and directives of the Board, the City Administrator shall have the following authority, duties and responsibilities notwithstanding any provision of the City Charter or Code of Ordinances:

1. Serve, advise and report to the Mayor with respect to the Mayor's executive functions, as set forth in Charter §4-101.

2. Serve and advise the Council with respect to the Council's legislative functions, as set forth in Charter §3-101.

3. Serve, advise and report to the Emergency Manager, as required by Public Act 436, so long as an Emergency Manager is in place.

4. Serve, advise and report to the Board, including:
    a. Advise and report to the Board as required by Public Act 436;
    b. Fully comply and assist the Board in meeting all duties assigned to it by the governor pursuant to MCL 141.1563(h);
    c. Provide all budgetary information requested by the Board;
    d. Serve as the primary contact between the Board and the City, including any department heads, officers, attorneys, accountants, employees, and any other contractors or consultants hired by the City to assist the City Administrator or the City in the discharge of powers, duties, functions, and responsibilities;
    e. Promptly and effectively communicate with the Board regarding any matter that may have a significant financial impact on the City.

5. Direct City department heads in carrying out the daily activities of the City, in the assembly of financial and management information; and in the gathering and assembly of pertinent data and information and recommendations for the Mayor and City Council's consideration in making executive determinations and policy.

6. Translate executive decisions and policies of the Mayor into administrative procedures for the cost effective and efficient operation of the City.

7. Implement legislative action of the City Council.

8. Monitor and manage the administrative inter-activity of the City departments so the delivery of public services represents an efficient, effective, and coordinated effort.

9. Interact with other governmental agencies as requested by the Mayor or City Council.

10. Prepare and review correspondence, reports, speeches, resolutions, and other material for public relations purposes. Answers citizen and official inquiries regarding City policy matters.

11. In consultation with the Mayor, direct the assembly of information and items for consideration by the Council, and provide them to the City Clerk for inclusion on the appropriate agendas.

12. Regularly consult with the Mayor in the development of actions with respect to the Mayor's executive functions, and with matters relating to the daily administrative functions of the City, including the evaluation of the performance of department heads, and the resolution of customer service issues.

13. Except to the extent prohibited by or in material conflict with applicable laws and authorities, the City Administrator or designee shall attend all meetings of the City Council, both public and closed, with the exception of those closed meetings devoted to the consideration of any action or lack of action on, or pursuant to, this Agreement, or any amendment thereto, or the City Administrator's evaluation. The City Administrator shall advise members, and make recommendations consistent with policy objectives, strategic planning and administrative activities.

14. Attend public meetings and events; give presentations and information to the public regarding matters of City business.

15. Manage and oversee all department heads, division heads, managers and non-elected City employees. This shall include an annual written performance evaluation of all department heads, including those identified in paragraphs 15, 16 and 17.

16. Recommend, subject to the Mayor's approval, the following appointments:

    a. Chief of Police;
    b. Fire Chief;
    c. Director of Finance;
    d. Planning & Development Director;
    e. Director of Department of Public Works;
    f. Chief Legal Officer;
    g. Chief Personnel Officer.

17. Recommend, subject to the Council's approval, the following appointments: City Clerk and City Auditor.

18. With the exception of those positions set forth in paragraphs 16 and 17, appoint all department heads, division heads and management positions, including the City Treasurer, Purchasing Director and the City Assessor, subject to any collective bargaining agreement(s) that may be applicable.

19. Ensure that all appointment processes, whether by the Mayor, Council or City Administrator, are open, competitive, and administered by the Human Resources Department or a qualified recruitment firm, with selection of the most qualified candidate to be based on defined education, experience, and professional standards appropriate to the position.

20. All appointments made pursuant to paragraphs 15, 16 and 17 shall serve at the pleasure of the City Administrator based on performance review.

21. Review current and potential litigation and labor disputes with the City Attorney and Mayor, and as needed the Board, and have complete decision making authority on behalf of the City, on all matters of litigation and labor disputes, including the ability to settle or initiate lawsuits and resolve labor disputes. The Mayor and City Council shall be consulted on such matters prior to implementation.

22. Negotiate all collective bargaining agreements on behalf of the City.

23. Work collaboratively with the City Council, the Mayor, other City or State officials and the Board to successfully transition to the termination of receivership for the City by supporting, implementing, and maintaining the financial and operating plans and the reforms instituted by the City's emergency managers, including but not limited to, the financial and operating plan for the city under Section II Act 436, and by providing appropriate training and explanation of City operations.

24. Serve as an official City representative before the Board, State departments and agencies, and the Michigan Legislature, with assistance from the Finance Director and the Mayor.

25. Be responsible for and vested with full authority necessary to effectively direct and supervise the day-to-day operations of the City by seeing that all laws and ordinances are faithfully executed, preparing the proposed annual budget as recommended by the Finance Director and any accounting firm retained by the City, and supervising the expenditures of all sums appropriated to and the attainment of all objectives established for departments of the executive branch of the City and working collaboratively with all officers and officials to effectively execute daily operations.

26. Ensure that a rolling six-year capital improvement plan is annually prepared in accordance with applicable law and the City's Code of Ordinances. Coordinate with the Mayor on the annual preparation of a rolling two-year budget

27. Review, approve and co-sign with the Mayor all contracts on behalf of and entered into by the City and modify or terminate any current contract with the City.

28. Approve all financial policies, City policies and procedures, job descriptions and personnel policies for the City, after consultation with the Mayor and City Council.

29. Designate check signers on all City bank accounts.

30. Refer City Council communications to the appropriate City employee or investigate such matter(s) and inform the City Council of the results of such efforts. Provided, however, when responding to City Council referrals, the City Administrator shall have discretion to utilize the personnel and resources the City Administrator deems reasonable and so as to avoid unnecessary interruption of services or incurrence of unnecessary costs.

31. Any investigation by the City Council, as contemplated by Charter §3-205 and §3-206, including the power to subpoena witnesses, shall be subject to the City Administrator's review and approval, so as to avoid unnecessary interruption of services or incurrence of unnecessary costs.

32. In the event the Mayor or Council fails to perform any duty or take any required action after having been afforded a reasonable opportunity to do so, the City Administrator may perform the duty or function of the Mayor or Council upon approval of the Board.

This Order may be amended, modified, repealed or terminated by any subsequent Order issued by the Emergency Manager.

Dated: 4/16/15 By: _____

Gerald Ambrose
Emergency Manager
City of Flint

xc: State of Michigan Department of Treasury
Mayor Dayne Walling
Flint City Council
Inez Brown, City Clerk

S:\P. Bade\EM2015\Orders\Order No.3 City Administrator 03.30.15.prob.docx

EMERGENCY MANAGER
CITY OF FLINT
GENESEE COUNTY MICHIGAN

ORDER No. 4

MAYOR/COUNCIL COMPENSATION

BY THE POWER AND AUTHORITY VESTED IN THE EMERGENCY MANAGER ("EMERGENCY MANAGER) FOR THE CITY OF FLINT, MICHIGAN ("CITY") PURSUANT TO MICHIGAN'S PUBLIC ACT 436 OF 2012, LOCAL FINANCIAL STABILITY AND CHOICE ACT, ("PA 436"); GERALD AMBROSE, THE EMERGENCY MANAGER, ISSUES THE FOLLOWING ORDER:

Pursuant to Public Act 436, the Emergency Manager has broad powers in receivership to rectify the financial emergency and to assure the fiscal accountability of the City of Flint and its capacity to provide or cause to be provided necessary services essential to the public health, safety and welfare; and

Pursuant to Public Act 436, the Emergency Manager acts in place of local officials, specifically the Mayor and City Council, unless the Emergency Manager delegates specific authority; and

Pursuant to Public Act 436, the Emergency Manager has broad power to manage the local government, and may issue Orders to elected and appointed officials necessary to accomplish the purpose of the Act; and

Pursuant to Public Act 436, City Council meetings are scheduled and conducted at the discretion of the Emergency Manager; and

An Order issued under PA 436 is binding on the person to whom it is issued; and

Prior to the appointment of Emergency Manager Michael Brown on December 1, 2011, Mayor Dayne Walling's annual compensation rate was $91,801; and

Prior to the appointment of Emergency Manager Michael Brown on December 1, 2011, Flint City Council President had an annual compensation rate of $20,856. City Council Vice President had an annual compensation rate of $20,381; and, City Councilmembers had an annual compensation rate of $19,907; and

As the City of Flint moves toward transition from governance and management by an Emergency Manager to Home Rule with oversight by a Receivership Transition Advisory Board, the responsibilities of the Mayor and Council are being increased, with the City Council now meeting regularly twice per month and Committees once per month

Mayor Walling's duties and responsibilities have increased and will further increase as the City of Flint progresses to local control; and

Mayor Walling has completed Level One of Michigan Municipal League (MML) core courses for municipal government and receipt of the MML Education Award, as required by Emergency Manager Order 2 dated April 18, 2011, and has otherwise accomplished the assigned tasks; and

Based on his increased duties, responsibilities and performance, Mayor Walling's salary is established at an annual compensation rate of $91,801, effective April 13, 2015; and

City Council's duties and responsibilities have increased and will further increase as the City of Flint progresses to local control; and

Based on increased duties, the annual compensation for the Flint City Council President shall be $20,856; the City Council Vice President shall be $20,381; and all other Council members shall be $19,907, effective April 13, 2015; provided however, that council members must have completed the Level One of Michigan Municipal League (MML) core courses for municipal government and received the MML Education Award by November 1, 2015, and as certified by the City Council President, or their annual compensation shall be reduced to $10,500 until such time as they have done so.

The compensation set forth above shall continue until the Local Officers Compensation Commission convenes to establish the compensation for the Mayor and Council in accordance with MCL 117.5c and Flint City Code, Chapter 2, Article III.

This Order is effective April 13, 2015.

This Order may be amended, modified, repealed or terminated by any subsequent Order issued by the Emergency Manager.

Dated: 4/16/15 By:

Gerald Ambrose
Emergency Manager
City of Flint

xc: State of Michigan Department of Treasury
Mayor Dayne Walling
Flint City Council
Inez Brown, City Clerk

ORDINANCE NO. 3865

An Ordinance to amend the City of Flint Code of Ordinances by amending Chapter 18, Taxation; Funds; Purchasing; Article IV, Purchases.

IT IS HEREBY ORDAINED BY THE PEOPLE OF THE CITY OF FLINT:

Sec. 1. That the Ordinances of the City of Flint shall be amended by amending Chapter 18, Taxation; Funds; Purchasing; Article IV, Purchases; by updating Sections 18-19 through 18-21.13; the renumbering of Section 18-21.14 to Section 18-21.20; and, the addition of new Sections 18-21.15 through 18-21.19, which shall read in its entirety as follows:

ARTICLE IV: PURCHASING

§ 18-18 SHORT TITLE.

This ordinance shall be known and may be cited as the "Purchasing Ordinance of the City of Flint."

§ 18-19 DEFINITIONS.

For ~~the~~ purposes of this article, the following terms, phrases, words, and their derivations shall have the meaning given ~~herein~~. When not inconsistent with the context, words used in the present tense include the future, words in the plural number include the singular number, and words in the singular number include the plural number. The word "shall" is always mandatory and not merely directory.

AGENCY. Any department, office, multiple member body or other organization of City government and includes any elective officer, appointee or person acting or purporting to act in the exercise of official duties, but shall not include the Board of Hospital Managers.

CHIEF EXECUTIVE. The Mayor of the City of Flint.

CITY. The City of Flint, Michigan.

CITY COUNCIL. The Council of the City of Flint.

CONTRACTUAL SERVICES. All telephone, gas, water, electric light and power service; towel and cleaning service; insurance; leases for all grounds, buildings, office or other space required by the agencies, with the exception of property under the control of the Housing Commission, Department of Community Development or any independent multiple member board established in accordance with the provisions of the **FLINT CITY** Charter; and the rental, repair or maintenance of equipment, machinery and other City owned personal property. The term shall not include professional and other contractual services ~~which~~ **THAT** have been proven to be unique and not subject to competition.

DIRECTOR. **The ~~Director of Purchases and Supplies~~ PURCHASING DIRECTOR AND/OR PURCHASING MANAGER.**

PROCUREMENT CARD.

SUPPLIES. All supplies, materials and equipment.

§ 18-20 ~~DIRECTOR OF PURCHASES AND SUPPLIES~~ PURCHASING DIRECTOR.

There is hereby created the position of **PURCHASING** Director ~~of Purchases and Supplies~~ who shall be a member of the Classified Service and shall be appointed by the ~~Mayor~~ **CITY ADMINISTRATOR** with the approval of the City Council. The **PURCHASING** Director shall perform all duties as provided ~~herein~~ **BY THIS ORDINANCE AND THE FLINT CITY CHARTER** under the direction of the ~~Mayor~~ **CITY ADMINISTRATOR** and shall perform ~~such~~ **ALL** other duties as may be prescribed by the ~~Mayor~~ **CITY ADMINISTRATOR.**

§ 18-21 DIRECTOR TO HAVE SUPERVISION OF PURCHASE AND DISTRIBUTION OF SUPPLIES, MATERIALS AND EQUIPMENT.

The Director of Purchases and Supplies shall have general supervision of the purchase and distribution of all supplies, materials and equipment and shall perform all duties required by law and shall have the powers and duties prescribed by this article.

§ 18-21.1 ADDITIONAL DUTIES AND RESPONSIBILITIES OF DIRECTOR.

The Director shall have the power and it shall be his duty:

(a) *Purchase or contract.* To purchase or contract for all supplies and contractual services needed by any agency in accordance with purchasing procedures as prescribed by this article and such rules and regulations as the Director shall adopt for the internal management and operation of the office of Director of Purchases and Supplies and such other rules and regulations as shall be prescribed by the Mayor as the purchasing functions related to executive staff offices and departments.

(1) *Exceptions prohibited.* The authority of the Director to negotiate all purchases for all agencies shall not be abridged by excepting by rule any particular agency.

(2) *Unauthorized purchases.* Except as herein provided, it shall be unlawful for any agency to order the purchase of any supplies or make any contract within the purview of this article other than through the Director and any purchase ordered or contract made contrary to the provisions hereof shall not be approved and the City shall not be bound thereby.

(b) *Other powers and duties.* In addition to the purchasing authority conferred in subsection (a) above and in addition to any other powers and duties conferred by this article, the Director shall:

(1) *Minimum expenditure.* Act to procure for the City the highest quality in supplies and contractual services at least expense to the City.

(2) *Encourage competition.* Discourage uniform bidding and endeavor to obtain as full and open competition as possible on all purchases and sales;

(3) *Purchasing analysis.* Keep informed of current developments in the field of purchasing, prices, market conditions and new products, and secure for the City the benefits of research done in the field of purchasing by other governmental jurisdictions, national technical societies, trade associations having national recognition, and by private businesses and organizations.

(4) *Forms.* Prescribe and maintain such forms as he shall find necessary to the operation of this article.

(5) *Standard nomenclature.* Prepare and adopt a standard purchasing nomenclature for agencies and suppliers.

(6) *Vendor's catalog file.* Prepare, adopt and maintain a vendor's catalog file.

(7) *Bulk purchases.* Exploit the possibilities of buying "in bulk" so as to take full advantage of discounts.

(8) *Tax exemptions.* So as to procure for the City all tax exemptions to which it is entitled.

(9) *Cooperation with Department of Finance.* Cooperate with the Department of Finance so as to secure for

the City the maximum efficiency in budgeting and accounting to the extent required by the Director of Finance.

(10) *Disqualification of bidders.* Have the authority, with the approval of the Mayor to declare vendors who default on the quotations or contracts irresponsible bidders and to disqualify them from receiving any business from the City for a stated period of time. Any vendor who feels himself aggrieved by the decision may, within ten (10) days of notification of such determination, make objections thereto, in writing, to the City Clerk. Within fifteen (15) days of the receipt of said notification, the City Council shall, after public hearing, make a final determination as to the disqualification of the vendor, which determination shall be final.

§ 18-21.2 REQUISITION AND ESTIMATES.

(a) *Requisitions or estimates.* All agencies, either by or with the authorization of the head of the department under which the agency operates, shall file with the Director detailed requisitions or estimates of their requirements in supplies and contractual services in such manner, at such times, and for such future periods as may be required for budgeting and accounting purposes.

(b) *Unforeseen requirements.* An agency shall not be prevented from filing, in the same manner, with the Director at any time a requisition or estimate for any supplies and contractual services, the need for which was not foreseen when the detailed estimates were filed.

§ 18-21.3 ENCUMBRANCE OF FUNDS.

Except in cases of emergency, the Director shall not issue any order for delivery on a contract or open market purchase until the Chief Finance Officer shall have certified, after pre-audit, that there is to the credit of the agency concerned a sufficient unencumbered appropriation balance, in excess of all unpaid obligations, to defray the amount of such order.

(a) Vendor information shall be furnished on a monthly basis to City Council.

The Director shall furnish to the Council by the fifteenth day of each month a list of all vendors, with or without a contract, to whom money was owed as of the last day of the preceding month. In addition to the name of each vendor the list shall contain each vendor's address, and, as of the last day of the preceding month, the total amount of money owed to each vendor, and how much of the amount owed each vendor has been due for more than 30 days and more than 60 days.

A violation of this ordinance is considered a misdemeanor, punishable by a $500.00 fine, and/or 90 days in jail.

§ 18-21.4 COMPETITIVE BIDDING REQUIRED.

All purchases of supplies, contractual services, or sales of personal property which is unsuitable for continued use, except as specifically provided herein, shall be based wherever possible on competitive bids.

§ 18-21.5 FORMAL CONTRACT PROCEDURE.

All supplies and contractual services, except as otherwise provided herein, when the estimated cost thereof shall exceed $3,000.00 shall be purchased by written contract or purchase order from the lowest responsible bidder, after due notice inviting proposals; and no purchase in excess of $3,000.00 shall be made by the Director and/or Manager, except upon the approval of the City Council. In the event that purchases made without City Council approval from any one supplier exceed $3,000.00 in any fiscal year, City Council shall be informed of such in writing by the Director of Purchases and/or Purchasing Manager. All sales of personal property with an estimated value in excess of $3,000.00 shall be

sold by written contract or bill of sale to the highest responsible bidder, after due notice inviting proposals.

(a) *Notice inviting bids.*

(1) *Electronic media and/or newspaper.*

a. Notices inviting bids/proposals shall be published at least five (5) days preceding the last day set for the receipt of proposals on the City of Flint website, any electronic media service, or at least one newspaper of general circulation in the City, if funding is available.

b. *Scope of notice.* The electronic media and/or newspaper notice required herein shall include a general description of the articles to be purchased or sold, shall state where bid blanks and specifications may be secured, and the time and place for opening bids.

(2) *Bidder's list.* The Director and/or Manager shall also solicit sealed bids from all responsible prospective suppliers who have requested their names be added to a "bidders list," which the Director and/or Manager shall maintain by directing prospective suppliers to the available electronic media source or by sending them a copy of such newspaper notice or such other notice as will acquaint them with the proposed purchase or sale. In any case, invitations sent to the vendors on the bidders' list shall be limited to commodities that are similar in character and ordinarily handled by the trade group to which the invitations are sent.

(b) *Bid deposits.* When deemed necessary by the Director and/or Manager, bid deposits shall be prescribed in the public notice inviting bids. Unsuccessful bidders shall be entitled to return of bid deposits upon award of the contract. A successful bidder shall forfeit any bid deposit required by the Director and/or Manager upon failure on his part to enter a contract within ten (10) days after the award.

(c) *Bid opening procedure.*

(1) *Sealed.* All bids and proposals shall be submitted via either the electronic media source or in a sealed envelope to the Director and/or Manager and shall be identified as such electronic means or on the face of the envelope.

(2) *Opening.* Bids shall be opened in public at the time and place stated in the public notices and shall be witnessed by the City Clerk's designee.

(3) *Tabulation.* A tabulation of all bids received shall be available for public inspection.

(d) *Rejection of bids.*

(1) The Director and/or Manager shall have the authority to reject any bids, or any part thereof, when the public interest shall be served thereby; provided, however, that in such event the public interest shall be clearly stated in the notice of rejection.

(2) *Bidders in default to City.* The Director and/or Manager shall not knowingly accept a bid from a contractor who is in default on the payment of taxes, licenses or other monies due the City. Contracts with bidders who are found to have been in default at the time of award of the contract shall be voidable.

(e) *Award of contract.*

(1) *Authority of the Director and/or Manager.* The Director and/or Manager shall have the authority to award

~~contracts within the purview of this article, subject to the approval of the City Council.~~

~~(2) *Lowest responsible bidder.* Contracts shall be awarded to the lowest responsible bidder. In determining the "lowest responsible bidder," in addition to price, the Director and/or Manager shall consider the following factors, among others:~~

~~a. The ability, capacity and skill of the bidder to perform the contract or provide the services required;~~

~~b. Whether the bidder can perform the contract or provide the service promptly, or within the time specified, without delay or interference;~~

~~c. The character, integrity, reputation, judgment, experience and efficiency of the bidder in business;~~

~~d. The quality of performance of previous contracts or services~~

~~e. The previous and existing compliance by the bidder with laws and ordinances relating to the contract or services;~~

~~f. The sufficiency of the financial resources and ability of the bidder to perform the contract or provide the services;~~

~~g. The quality, availability and adaptability of the supplies, or contractual services, to the particular use required;~~

~~h. The ability of the bidder to provide future maintenance and service for the use of the subject of the contract;~~

~~i. The number and scope of conditions attached to the bid;~~

~~j. Compliance with the City's affirmative action program;~~

~~k. Other factors involved. A contract may be awarded to a bidder based on factors other than the lowest bid, including but not limited to the bidder's competence, reliability and/or skills; provided that the Director and/or Manager submits a report detailing such factors to City Council subject to its approval.~~

~~(f) *Award to other than the low bidder.* From the bidders so determined to be responsible, the Director and/or Manager shall award the contract to the lowest such bidder; provided, that in determining the lowest bid, the Director and/or Manager shall consider the bona fide business location of the bidder. If the lowest responsible bidder is not located within the City limits of Flint, and the lowest bid of the responsible bidders located within the City limits of Flint does not exceed that of the lowest nonlocal bidder by more than seven percent (7%), then the Director and/or Manager may determine said lowest local bidder to be the lowest responsible bidder, and make the award to such local bidder accordingly, subject to the approval of the City Council. Additionally, if the lowest responsible bidder is not located within the limits of the City of Flint, and the lowest bid of the responsible bidder located within the County of Genesee does not exceed the bid of the lowest nonlocal bidder by more than three and one half percent (3.5%), then the Director and/or Manager may determine said lowest Genesee County bidder to be the lowest responsible bidder, and make the award to such Genesee County bidder accordingly, subject to the approval of the City Council.~~

(g) *Irresponsible bidder; statement required.* When bidders are determined not to be responsible bidders and their bids would have been lower than the bid actually awarded, a full and complete statement of the reason for such determination shall be prepared by the Director and/or Manager and filed with the other papers relating to the transactions.

(h) *Performance bonds.* The Director and/or Manager shall, in his discretion, have the authority to require either a performance bond, cash deposit or surety, before entering a contract, in such amount as he shall find reasonably necessary to protect the best interests of the City.

(i) *Unique services.* Professional or personnel contractual services which have been proven to be unique and not subject to the requirements of the competitive bidding process in excess of $2,000.00 cumulative for a fiscal year shall require City Council approval unless otherwise provided by the Charter or other law.

(j) *Prohibition against subdivision.* No contract or purchase order shall be subdivided to void the requirements of this section.

(k) *Termination of contract.* No contract or purchase which was made or awarded with the approval of the City Council may be terminated by the Director and/or Manager or any other member of the Executive Branch without first obtaining the approval of City Council for such termination.

§ 18-21.6 OPEN MARKET PROCEDURE.

All purchases of supplies, contractual services, or sales of personal property which is unsuitable for continued use, which has an estimated value of less than three thousand five hundred dollars ($3,500.00), may be made in the open market, without proper advertisement and without observing the procedure prescribed in § 18-21.5 for the award of formal contracts.

(a) *Minimum number of bids.* All open market purchases shall, whenever feasible, be based on at least three (3) competitive bids, and shall be awarded to the lowest responsible bidder in accordance with the standards set forth in § 18-21.5(e)(2).

(b) *Notice inviting bids.* The Director shall solicit bids by:

(1) Direct mail request to prospective vendors; or

(2) By telephone; or

(3) By public notice posted on the bulletin boards of the City Hall.

(c) *Recording.* The Director shall keep a record of all open market orders and the bids submitted in competition thereon, and such records shall also be open to public inspection.

§ 18-21.7 PETTY EXPENDITURES REVOLVING FUND.

Petty cash funds may be established within any agency with the approval of the Director of Finance. From this fund shall be paid all purchases not in excess of $100.00 each, made by the heads of agencies for incidentals, with the approval of the Director. The Director shall promulgate rules and regulations for use of the petty expenditures revolving fund.

§ 18-21.8 CENTRAL WAREHOUSING; STOREROOM'S REVOLVING FUND.

(a) *Administration.* The Director shall control and supervise storerooms and warehouses and shall administer the storeroom's revolving fund.

(b) *Storeroom's revolving fund.* There is hereby created a storeroom's revolving fund.

(1) *Accounting procedure.* Requisitions from supplies, in a storeroom or warehouse shall be credited by the Director to the storeroom's

revolving fund by a charge against the appropriation of the using agency.

(2) *Inventory.* The Director shall maintain a perpetual inventory record of all materials, supplies or equipment stored in storerooms and warehouses.

§ 18-21.9 PRICE AGREEMENT CONTRACT PROCEDURE.

The head of the agency shall have the authority to submit requisitions to the Director for supplies available under the terms of a price agreement.

§ 18-21.10 EMERGENCY PURCHASES.

(a) *Emergency defined.* For the purpose of this section only, an *EMERGENCY* constitutes a situation that threatens the public health, safety or welfare, and:

(1) Is unforeseeable;

(2) Calls for immediate action; and

(3) Cannot be responded to using established procurement methods.

(b) *By Director and/or Manager.* In case of an emergency that requires the immediate purchase of supplies or contractual services, the Director and/or Manager shall be empowered to secure by open market procedure and at the lowest obtainable price, any supplies or contractual service:

(1) Without City Council approval for amounts not exceeding $10,000.00 per vendor during a six (6) month period;

(2) With City Council approval for amounts exceeding $10,000.00 per vendor during a six (6) month period.

(3) Recorded explanation. The Director and/or Manager shall immediately file a report explaining the circumstances of an emergency purchase with the City Clerk to be entered into the minutes of the City Council and remain open to public inspection.

(c) *By head of department.* In case of an emergency which may result in the loss of:

(1) *Life.* The head of any agency may purchase directly any supplies or services necessary under the circumstances then in existence; or

(2) *Property.* The head of any agency may purchase directly only those supplies or services not to exceed $10,000.00 during a six (6) month period without the prior approval of City Council.

(d) *Violation.* Any person in violation of making an unauthorized expenditure as outlined in this section shall be guilty of a misdemeanor punishable by a $500.00 fine and/or ninety (90) days in jail upon conviction of the Court.

§ 18-21.11 INSPECTION AND TESTING.

The Director may inspect, or supervise the inspection of all deliveries of supplies or contractual services to determine their conformance with the specifications set forth in the order or contract.

(a) *Inspection by agency.* The Director shall have the authority to authorize agencies having the staff and facilities for adequate inspection to inspect all deliveries made to such agencies under rules and regulations which the Director shall prescribe.

(b) *Tests.* The Director shall have the authority to require chemical and physical tests of samples of deliveries which are necessary to determine their quality and conformance with the specifications. In the performance of such tests, the Director shall have the authority to make use

~~of laboratory facilities of any agency of the City government or of any outside laboratory.~~

~~§ 18-21.12 SURPLUS SUPPLIES.~~

~~All using agencies shall submit to the Director, at such times and in such form as he shall prescribe, an inventory of all supplies which are no longer used or which have become obsolete.~~

~~(a) *Transfer.* The Director shall have the authority to transfer surplus supplies to other agencies.~~

~~(b) *Sale.* The Director shall have the authority to sell all supplies which have become unsuitable for public use, or to exchange the same for, or trade in the same on, new supplies.~~

~~(1) *Competitive bidding.* Sales under this section shall be made to the highest responsible bidder and in conformance with §§ 18-21.5 or 18-21.6 hereof whichever is applicable.~~

~~§ 18-21.13 COOPERATIVE PURCHASING.~~

~~The Director shall have the authority to join with other units of government in cooperative purchasing plans when the best interests of the City would be served thereby.~~

§ 18-21 PURPOSE AND SCOPE.

THE VISION FOR THE CITY IS A WELL-MANAGED, FINANCIALLY STABLE, AND ACCOUNTABLE GOVERNMENT FOCUSED ON CREATING AND MAINTAINING A VIBRANT AND GROWING COMMUNITY THAT WILL ATTRACT AND RETAIN RESIDENTS, BUSINESSES, STUDENTS AND VISITORS AND IMPROVE QUALITY OF LIFE. THE CITY'S MISSION IS TO ASSURE THAT RESIDENTS, BUSINESSES, STUDENTS AND VISITORS RECEIVE MUNICIPAL SERVICES IN A CUSTOMER FRIENDLY AND FINANCIALLY RESPONSIBLE MANNER.

STRUCTURING CITY OPERATIONS TO ACHIEVE THIS MISSION AND VISION HAVE REQUIRED THE ESTABLISHMENT OF LONG RANGE STRATEGIC PLANNING AND BUDGETING. EQUALLY IMPORTANT IS ESTABLISHING THE PRINCIPLES BY WHICH GOODS AND SERVICES WILL BE OBTAINED.

THE PROCESS OF OBTAINING GOODS AND SERVICES MUST BE CONSISTENT WITH THE STRATEGIC PLAN. THERE MUST BE PROPER OVERSIGHT AND TRANSPARENCY, WITH A GOAL OF OBTAINING THE GOODS AND SERVICES THAT BEST MEET THE NEEDS OF CITY DEPARTMENTS. THE PROCESS MUST ENSURE COMPETITIVE PROCUREMENT CONDUCTED IN AN ETHICAL AND TIMELY MANNER IN ORDER FOR THE CITY TO CARRY OUT ITS DUTIES. USE OF CITY RESOURCES FOR PERSONAL USE IS GROUNDS FOR TERMINATION OF EMPLOYMENT AND POSSIBLE CRIMINAL PROSECUTION.

PURCHASING GOODS AND SERVICES SUPPORTS THE BUSINESSES AND COMMUNITIES IN WHICH THE BUSINESSES RESIDE. ACCORDINGLY, WHEN FEASIBLE, IN TERMS OF QUALITY, COST, AND ACCESSIBILITY, THE CITY SHOULD MAKE GOOD FAITH EFFORTS TO PROCURE GOODS AND SERVICES FROM BUSINESSES WITH A PHYSICAL LOCATION WITHIN THE CITY LIMITS, AND IF NOT ABLE TO DO SO, TO MAKE SIMILAR EFFORTS WITH RESPECT TO BUSINESSES PHYSICALLY LOCATED IN GENESEE COUNTY AND/OR SURROUNDING COMMUNITIES.

§ 18-21.1 ASSIGNMENT OF RESPONSIBILITY.

THE FLINT CITY COUNCIL SHALL BE RESPONSIBLE FOR PERIODICALLY REVIEWING AND UPDATING THIS ORDINANCE, FOR MONITORING PURCHASING ACTIVITIES AS DESCRIBED WITHIN THIS ORDINANCE, AND APPROVING PURCHASES AS DESCRIBED WITHIN THIS ORDINANCE TO ASSURE THAT GOODS AND SERVICES OBTAINED BEST MEET THE NEEDS OF CITY DEPARTMENTS AND ARE OBTAINED IN A COMPETITIVE, TRANSPARENT, ETHICAL AND TIMELY MANNER THAT PERMITS THE CITY TO CARRY OUT ITS DUTIES.

THE MAYOR SHALL BE RESPONSIBLE FOR EXECUTIVE OVERSIGHT OF THE PURCHASING OF ALL GOODS AND SERVICES FOR THE CITY, FOR APPROVING PURCHASES AS PROVIDED IN THIS ORDINANCE, AND FOR ASSURING THAT CITY COUNCIL IS PROVIDED TIMELY INFORMATION TO ENABLE IT TO CARRY OUT ITS OVERSIGHT RESPONSIBILITIES.

THE CITY ADMINISTRATOR SHALL PROVIDE ADMINISTRATIVE OVERSIGHT OF THE PURCHASING FUNCTION, FOR APPROVING PURCHASES AS PROVIDED IN THIS ORDINANCE, AND FOR PROVIDING THE CITY COUNCIL TIMELY INFORMATION TO ENABLE IT TO CARRY OUT ITS OVERSIGHT RESPONSIBILITIES.

THE FINANCE DIRECTOR SHALL SUPERVISE THE ACTIVITIES OF THE PURCHASING DIRECTOR, AND SHALL WORK WITH THE PURCHASING DIRECTOR, DEPARTMENT HEADS AND OTHERS TO ASSURE THAT PROPER BUDGETARY AUTHORITY EXISTS FOR THE PURCHASE OF GOODS AND SERVICES.

THE PURCHASING DIRECTOR SHALL BE RESPONSIBLE FOR THE PROCUREMENT OF ALL GOODS AND SERVICES FOR THE CITY UNLESS OTHERWISE PROVIDED IN THIS ORDINANCE. THE PURCHASING DIRECTOR SHALL ASSURE THAT ALL GOODS AND SERVICES ARE OBTAINED IN A COMPETITIVE AND ETHICAL MANNER AND IN COMPLIANCE WITH THE PROCESSES ESTABLISHED IN THIS ORDINANCE. THE PURCHASING DIRECTOR SHALL ALSO APPROVE PURCHASES AS PROVIDED IN THIS ORDINANCE. THE PURCHASING DIRECTOR SHALL ALSO DEVELOP AND RECOMMEND TO THE MAYOR THE APPROPRIATE PROCESSES AND PROCEDURES TO MEET THE REQUIREMENTS OF THIS ARTICLE.

DEPARTMENT HEADS AND PERSONNEL DESIGNATED BY DEPARTMENT HEADS SHALL HAVE THE AUTHORITY TO OBTAIN GOODS AND SERVICES AS AUTHORIZED IN THIS ARTICLE. THE DESIGNATED PERSONNEL SHALL ALSO PROVIDE THE PURCHASING DIRECTOR WITH THE INFORMATION NEEDED TO ASSURE THAT THE GOODS AND SERVICES TO BE OBTAINED ARE IN THE BEST INTERESTS OF THE CITY.

ALL PERSONS WHO ARE AUTHORIZED TO PURCHASE GOODS AND SERVICES FOR THE CITY SHALL BE RESPONSIBLE FOR ASSURING THAT PURCHASES MADE IN THE BEST INTERESTS OF THE CITY, ARE OBTAINED ON A COMPETITIVE BASIS AS REQUIRED BY THIS ARTICLE, AND ARE DONE IN AN ETHICAL MANNER.

§ 18-21.2 DELEGATION OF AUTHORITY.

THERE MUST BE PROPER OVERSIGHT AND TRANSPARENCY WITH RESPECT TO THE PURCHASE OF

GOODS AND SERVICES, WITH A GOAL OF OBTAINING GOODS AND SERVICES THAT BEST MEET THE NEEDS OF CITY DEPARTMENTS. THE PROCESS MUST ENSURE COMPETITIVE PROCUREMENT CONDUCTED IN A TIMELY AND ETHICAL MANNER IN ORDER FOR THE CITY TO CARRY OUT ITS DUTIES. ALL PARTIES DELEGATED AUTHORITY WITH RESPECT TO ALL PURCHASES OF GOODS AND SERVICES ARE CHARGED WITH THE RESPONSIBILITY OF MAKING PURCHASES IN A COMPETITIVE AND ETHICAL MATTER, AND FOR ADHERING IN ALL RESPECTS TO THE CITY OF FLINT CODE OF CONDUCT POLICY.

THE AUTHORITY WITH RESPECT TO THE PURCHASE OF ALL GOODS AND SERVICES IS DELEGATED AS PROVIDED HEREIN:

DEPARTMENT HEADS AND EMPLOYEES SPECIFICALLY DESIGNATED BY DEPARTMENT HEADS, AND APPROVED BY THE PURCHASING DIRECTOR, SHALL BE ELIGIBLE TO BE ISSUED PROCUREMENT CARDS, AND ARE AUTHORIZED TO PURCHASE GOODS AND SERVICES FOR CITY PURPOSES, PROVIDED FUNDS ARE APPROPRIATELY BUDGETED AND THAT THE DEPARTMENT HEAD OR DESIGNATED EMPLOYEE FORMALLY AGREE TO ALL PROVISIONS REGARDING THE USE AND RECONCILEMENT OF THE CARDS, AS PRESCRIBED BY THE PURCHASING DIRECTOR. THE AMOUNT OF GOODS AND SERVICES PURCHASED IN ONE MONTH MAY NOT EXCEED $10,000, UNLESS SPECIFIC AUTHORIZATION IS APPROVED BY THE FINANCE DIRECTOR, CITY ADMINISTRATOR, AND MAYOR UPON THE RECOMMENDATION OF THE PURCHASING DIRECTOR. THE PURCHASING DIRECTOR MAY SUSPEND USE OF PROCUREMENT CARDS FOR FAILURE TO FOLLOW ESTABLISHED PROCESSES AND PROTOCOLS. USE OF PROCUREMENT CARDS FOR PERSONAL OR OTHER NON-CITY USE IS A VIOLATION OF THE CITY'S CODE OF CONDUCT POLICY AND MAY BE GROUNDS FOR TERMINATION AND POSSIBLE CRIMINAL PROSECUTION.

DEPARTMENT HEADS AND EMPLOYEES AUTHORIZED BY DEPARTMENT HEADS MAY REQUEST THE PURCHASE OF GOODS AND SERVICES BY FILING A PROPERLY COMPLETED REQUISITION WITH THE PURCHASING DIRECTOR. UPON RECEIPT OF THE REQUISITION, AND DOCUMENTATION THAT FUNDS HAVE BEEN PROPERLY BUDGETED, THE PURCHASING DIRECTOR SHALL CAUSE THE SOLICITATION OF REQUESTS FOR THE PURCHASE OF THE GOODS AND SERVICES TO BE MADE, FOLLOWING THE APPROPRIATE PROCESSES.

THE PURCHASING DIRECTOR SHALL ADHERE TO THE FORMAT OF THE SELECTED PROCESS AS DETAILED IN THE FOLLOWING SECTIONS:

§ 18-21.3 COMPETITIVE SEALED BIDDING.

(1) *CONDITIONS FOR USE.* ALL PROCUREMENT REQUESTS FOR THE CITY SHALL BE AWARDED BY THE USE OF COMPETITIVE SEALED BIDDING EXCEPT AS OTHERWISE PROVIDED IN SECTIONS 18-21.4 (COMPETITIVE SEALED PROPOSALS), 18-21.5 (QUALIFICATIONS BASED SELECTION), 18-21.6 (SMALL PURCHASES), 18-21.7 (PUBLIC ENTITY PROCUREMENTS), 18-21.8 (SOLE SOURCE PROCUREMENT), AND 18-21.9 (EMERGENCY PROCUREMENTS), OF THIS ARTICLE.

(2) *INVITATION FOR BIDS.* AN INVITATION FOR BIDS SHALL BE ISSUED AND SHALL INCLUDE SPECIFICATIONS AND ALL CONTRACTUAL TERMS AND CONDITIONS APPLICABLE TO THE PROCUREMENT.

(3) *PUBLIC NOTICE.* ADEQUATE PUBLIC NOTICE OF THE INVITATION FOR BIDS SHALL BE GIVEN NOT LESS THAN TEN (10) CALENDAR DAYS PRIOR TO THE DATE SET FORTH FOR THE OPENING OF BIDS. THE NOTICE MAY INCLUDE PUBLICATION ON THE CITY'S WEBSITE, ANY ELECTRONIC MEDIA SERVICE, OR NEWSPAPER OF GENERAL CIRCULATION WITHIN TEN (10) DAYS PRIOR TO BID OPENING. THE PUBLIC NOTICE SHALL STATE THE PLACE, DATE, AND TIME OF BID OPENING.

(4) *BID OPENING.* BIDS MAY BE OPENED PUBLICLY IN THE PRESENCE OF ONE OR MORE WITNESSES AT THE TIME AND PLACE DESIGNATED OR RECORDED AND PUBLISHED IN AN ELECTRONIC INVITATION FOR BIDS MANAGEMENT SYSTEM. THE AMOUNT OF EACH BID, AND ALL OTHER RELEVANT INFORMATION, AS THE PURCHASING DIRECTOR DEEMS APPROPRIATE, TOGETHER WITH THE NAME OF EACH BIDDER SHALL BE RECORDED. THE RECORD AND EACH BID SHALL BE OPEN TO THE PUBLIC.

(5) *BID ACCEPTANCE AND BID EVALUATION.* BIDS SHALL BE UNCONDITIONALLY ACCEPTED WITHOUT ALTERATION OR CORRECTION, EXCEPT AS AUTHORIZED HEREIN. BIDS SHALL BE EVALUATED BASED ON THE REQUIREMENTS SET FORTH IN THE INVITATION FOR BIDS, WHICH MAY INCLUDE CRITERIA TO DETERMINE ACCEPTABILITY SUCH AS INSPECTION, TESTING, QUALITY, WORKMANSHIP, DELIVERY, AND SUITABILITY FOR A PARTICULAR PURPOSE. THOSE CRITERIA THAT WILL AFFECT THE BID PRICE AND BE CONSIDERED IN THE EVALUATION FOR AWARD SHALL BE OBJECTIVELY MEASURABLE, SUCH AS DISCOUNTS, TRANSPORTATION COSTS, AND TOTAL OR LIFE CYCLE COSTS. THE INVITATION FOR BIDS SHALL SET FORTH THE EVALUATION CRITERIA TO BE USED.

(6) *CORRECTION OR WITHDRAWAL OF BIDS; CANCELLATION OF AWARDS.* CORRECTIONS OR WITHDRAWAL OF INADVERTENTLY ERRONEOUS BIDS BEFORE OR AFTER BID OPENING, OR CANCELLATION OF AWARDS OR CONTRACTS BASED ON BID MISTAKES, MAY BE PERMITTED WHERE APPROPRIATE. MISTAKES DISCOVERED BEFORE BID OPENING MAY BE MODIFIED OR WITHDRAWN BY WRITTEN OR ELECTRONIC NOTICE RECEIVED IN THE OFFICE DESIGNATED IN THE INVITATION FOR BIDS PRIOR TO THE DEADLINE FOR SUBMISSION OF THE BID.

(7) *LOCAL PREFERENCE.* FROM THE BIDDERS DETERMINED TO BE RESPONSIBLE, THE PURCHASING DIRECTOR, IN CONSULTATION WITH THE DEPARTMENT HEAD REQUESTING THE GOODS OR SERVICES, SHALL DETERMINE THE RECOMMENDED BID AWARD. FROM AMONG THE RESPONSIBLE BIDDERS, THE RECOMMENDED AWARD SHALL BE TO THE LOWEST BIDDER; PROVIDED, THAT IN DETERMINING THE LOWEST BID, THE PURCHASING DIRECTOR SHALL CONSIDER THE BONA FIDE BUSINESS LOCATION OF THE BIDDER. IF THE LOWEST RESPONSIBLE BIDDER IS NOT LOCATED WITHIN THE CITY LIMITS, AND THE LOWEST BID OF THE RESPONSIBLE BIDDERS LOCATED

WITHIN THE CITY LIMITS DOES NOT EXCEED THAT OF THE LOWEST NON-LOCAL BIDDER BY MORE THAN SEVEN PERCENT (7%), THEN THE PURCHASING DIRECTOR SHALL BE ALLOWED TO REQUEST THE LOWEST LOCAL VENDOR MATCH THE PRICE OFFERED BY THE LOWEST NON-LOCAL VENDOR. ADDITIONALLY, IF THE LOWEST RESPONSIBLE BIDDER IS NOT LOCATED WITHIN THE CITY LIMITS, AND THE LOWEST BID OF THE RESPONSIBLE BIDDER LOCATED WITHIN GENESEE COUNTY DOES NOT EXCEED THE BID OF THE LOWEST NON-LOCAL BIDDER BY MORE THAN THREE AND ONE-HALF PERCENT (3.5%), THEN THE PURCHASING DIRECTOR SHALL BE ALLOWED TO REQUEST THE LOWEST LOCAL VENDOR MATCH THE PRICE OFFERED BY THE LOWEST NON-LOCAL VENDOR.

(8) *APPROVAL THRESHOLDS.* THE PURCHASING DIRECTOR, IN CONSULTATION WITH THE DEPARTMENT HEAD SHALL JOINTLY RECOMMEND THE AWARD OF A BID UNDER THIS SECTION. IF THE BID AWARD IS LESS THAN $20,000, THE DECISION OF THE PURCHASING DIRECTOR SHALL BE FINAL. IF THE RECOMMENDED BID AWARD IS IN EXCESS OF $20,000, IT SHALL ALSO BE APPROVED BY THE FINANCE DIRECTOR; IF IN EXCESS OF $30,000, IT SHALL ALSO BE APPROVED BY THE CITY ADMINISTRATOR; AND, IF IN EXCESS OF $50,000, IT SHALL ALSO BE APPROVED BY THE MAYOR. ANY RECOMMENDED BID AWARDS IN EXCESS OF $75,000 SHALL ALSO BE APPROVED BY THE CITY COUNCIL.

(9) *ADJUSTMENTS TO NEGOTIATED AWARDS.* IN THE EVENT THE SUCCESSFUL BIDDER WAS FOR A PROJECT THAT EXCEEDS AVAILABLE FUNDS AS CERTIFIED BY THE FINANCE DIRECTOR, THE PURCHASING DIRECTOR IS AUTHORIZED, WHEN TIME OR ECONOMIC CONSIDERATIONS PRECLUDE RE-SOLICITATION OF WORK OF A REDUCED SCOPE, TO NEGOTIATE AN ADJUSTMENT OF THE BID PRICE WITH THE LOWEST RESPONSIBLE BIDDER, IN ORDER TO BRING THE BID WITHIN THE AMOUNT OF AVAILABLE FUNDS. ANY NEGOTIATED ADJUSTMENT SHALL BE BASED ONLY UPON ELIMINATING INDEPENDENT DEDUCTIVE ITEMS SPECIFIED IN THE INVITATION FOR BIDS.

(10) *MULTI-STEP SEALED BIDDING.* WHEN IT IS CONSIDERED IMPRACTICAL TO INITIALLY PREPARE A PURCHASE DESCRIPTION TO SUPPORT AN AWARD BASED ON PRICE, AN INVITATION FOR QUALIFICATIONS MAY BE ISSUED REQUESTING THE SUBMISSION OF UN-PRICED OFFERS TO BE FOLLOWED BY AN INVITATION FOR BIDS LIMITED TO THOSE BIDDERS WHOSE OFFERS HAVE BEEN DETERMINED TO BE TECHNICALLY ACCEPTABLE UNDER THE CRITERIA SET FORTH IN THE FIRST SOLICITATION.

§ 18-21.4 COMPETITIVE SEALED PROPOSALS.

(1) *CONDITIONS FOR USE.* WHEN THE PURCHASING DIRECTOR DETERMINES THAT THE USE OF COMPETITIVE SEALED BIDDING IS EITHER NOT PRACTICABLE OR NOT ADVANTAGEOUS TO THE CITY, A CONTRACT FOR THE PURCHASE OF GOODS OR SERVICES MAY BE ENTERED INTO BY USE OF THE COMPETITIVE SEALED PROPOSALS METHOD.

(2) *REQUEST FOR PROPOSALS.* PROPOSALS SHALL BE SOLICITED THROUGH A WRITTEN AND

PUBLICALLY NOTICED REQUEST FOR PROPOSALS FORMAT.

(3) *PUBLIC NOTICE.* ADEQUATE PUBLIC NOTICE OF THE REQUEST FOR PROPOSALS SHALL BE GIVEN IN THE SAME MANNER AS PROVIDED IN SECTION 18-21.3(3) (COMPETITIVE SEALED BIDDING, PUBLIC NOTICE). THE PURCHASING DIRECTOR WILL DETERMINE THE AMOUNT OF TIME IN WHICH REQUESTS WILL BE SOLICITED.

(4) *RECEIPT OF PROPOSALS.* PROPOSALS SHALL BE PREPARED CONTAINING THE NAME OF EACH RESPONDENT, THE NUMBER OF MODIFICATIONS RECEIVED, IF ANY, AND A DESCRIPTION SUFFICIENT TO IDENTIFY THE ITEM OFFERED. THE PROPOSALS SHALL BE OPEN FOR PUBLIC INSPECTION ONLY AFTER BEING PUBLISHED.

(5) *DISCLOSURE OF RESPONDENTS, CONTENTS.* THE CONTENTS OF ANY PROPOSAL SHALL NOT BE DISCLOSED TO COMPETING RESPONDENTS UNTIL AFTER BEING PUBLISHED.

(6) *EVALUATION FACTORS.* THE REQUEST FOR PROPOSALS SHALL STATE THE RELATIVE IMPORTANCE OF PRICE AND OTHER EVALUATION FACTORS.

(7) *DISCUSSION WITH RESPONSIBLE RESPONDENTS AND REVISIONS TO PROPOSALS.* AS PROVIDED IN THE REQUEST FOR PROPOSALS, DISCUSSIONS MAY BE CONDUCTED WITH RESPONSIBLE RESPONDENTS WHO SUBMIT PROPOSALS DETERMINED TO BE REASONABLY SUSCEPTIBLE OF BEING SELECTED FOR AWARD FOR THE PURPOSE OF CLARIFICATION TO ASSURE FULL UNDERSTANDING OF, AND CONFORMANCE TO, THE SOLICITATION REQUIREMENTS. RESPONDENTS WHO SUBMITTED PROPOSALS DETERMINED TO BE REASONABLY SUSCEPTIBLE OF BEING SELECTED FOR AWARD SHALL BE ACCORDED FAIR AND EQUAL TREATMENT WITH RESPECT TO ANY OPPORTUNITY FOR DISCUSSION AND REVISION OF PROPOSALS, AND REVISIONS MAY BE PERMITTED AFTER SUBMISSIONS AND PRIOR TO AWARD FOR THE PURPOSE OF OBTAINING BEST AND FINAL OFFERS.

(8) *LOCAL PREFERENCE.* UNLESS THE FUNDING SOURCE FOR THE CONTRACT PROHIBITS SUCH PREFERENCES, THE PREFERENCE FOR LOCAL VENDORS AS OUTLINED IN SECTION 18-21.3(7) SHALL BE CONSIDERED.

(9) *APPROVAL THRESHOLDS.* THE PURCHASING DIRECTOR, IN CONSULTATION WITH THE DEPARTMENT HEAD, SHALL EVALUATE THE PROPOSALS AND RECOMMEND AWARD OF THE CONTRACT UNDER THIS SECTION. IF THE RECOMMENDED AWARD IS FOR LESS THAN $20,000, THE DECISION OF THE PURCHASING DIRECTOR SHALL BE FINAL. IF THE RECOMMENDED AWARD IS IN EXCESS OF $20,000, IT SHALL ALSO BE APPROVED BY THE FINANCE DIRECTOR; IF IN EXCESS OF $30,000, IT SHALL ALSO BE APPROVED BY THE CITY ADMINISTRATOR; AND, IF IN EXCESS OF $50,000, IT SHALL ALSO BE APPROVED BY THE MAYOR. ANY RECOMMENDED AWARD IN EXCESS OF $75,000 SHALL ALSO BE APPROVED BY THE CITY COUNCIL.

§ 18-21.5 QUALIFICATIONS BASED SELECTION.

(1) *CONDITIONS FOR USE.* THE PURCHASING DIRECTOR MAY DETERMINE, WHEN REQUISITIONS HAVE BEEN RECEIVED, THAT PRE-QUALIFYING VENDORS FOR CONSIDERATION IS IN THE BEST INTERESTS OF THE CITY.

(2) IN SUCH CASE, THE PURCHASING DIRECTOR, IN CONSULTATION WITH THE DEPARTMENT HEAD, SHALL DEVELOP A REQUEST FOR QUALIFICATIONS THAT WILL DEFINE THE REQUEST TO BE SOUGHT AND THE NECESSARY QUALIFICATIONS A QUALIFIED RESPONDING ENTITY MUST HAVE IN ORDER TO BE QUALIFIED TO RESPOND TO A PROPOSAL REQUEST.

(3) *PUBLIC NOTICE.* ADEQUATE PUBLIC NOTICE OF THE REQUEST FOR QUALIFICATIONS SHALL BE GIVEN IN THE SAME MANNER AS PROVIDED IN SECTION 18-21.3(3) (COMPETITIVE SEALED BIDDING, PUBLIC NOTICE).

(4) *RECEIPT OF QUALIFICATIONS.* A REGISTER OF QUALIFICATIONS SHALL BE PREPARED CONTAINING THE NAME AND QUALIFICATIONS OF EACH RESPONDENT. THE REGISTER OF QUALIFICATIONS SHALL BE OPEN FOR PUBLIC INSPECTION ONLY AFTER READ PUBLICLY.

(5) *EVALUATION OF SUBMISSIONS.* THE PURCHASING DIRECTOR, IN CONSULTATION WITH THE DEPARTMENT HEAD, SHALL EVALUATE THE QUALIFICATIONS OF THE RESPONDENT AND SHALL PREPARE A LIST OF RESPONDENTS DESIGNATED AS QUALIFIED. THE PURCHASING DIRECTOR SHALL ALSO PREPARE AND MAINTAIN A LIST OF RESPONDENTS NOT DESIGNATED AS PRE-QUALIFIED, IDENTIFYING THE REASONS WHY THEY WERE NOT DESIGNATED AS PRE-QUALIFIED.

(6) THE PURCHASING DIRECTOR WILL CAUSE TO BE PREPARED A REQUEST FOR COMPETITIVE SEALED PROPOSALS AS PROVIDED IN SECTION 18-21.1, AND ISSUED TO THE QUALIFIED RESPONDENTS.

§ 18-21.6 SMALL PURCHASES.

AS PROVIDED IN THIS ARTICLE, DEPARTMENT HEADS AND SPECIFICALLY DESIGNATED EMPLOYEES MAY BE ISSUED PROCUREMENT CARDS AND MAY PURCHASE GOODS AND SERVICES NOT EXCEEDING $10,000 PER MONTH. THE PURCHASES SHALL NOT BE ARTIFICIALLY DIVIDED SO AS TO CONSTITUTE A SMALL PURCHASE UNDER THIS SECTION.

FOR PURCHASES UNDER $10,000 PER MONTH, INCLUDING PURCHASES UTILIZING PROCUREMENT CARDS, THE DEPARTMENT HEAD AND AUTHORIZED EMPLOYEE SHALL, TO THE EXTENT POSSIBLE AND PRACTICAL AND IN THE BEST INTERESTS OF THE CITY, SOLICIT COMPETITIVE QUOTATIONS TO PROVIDE THE GOODS OR SERVICES SOUGHT. WHEN POSSIBLE AND PRACTICAL, A MINIMUM OF THREE (3) WRITTEN QUOTATIONS AND COPIES OF ALL QUOTATIONS SHALL BE PROVIDED TO THE PURCHASING DIRECTOR FOR SMALL PURCHASE REQUESTS. IN THE ABSENCE OF SUFFICIENT WRITTEN QUOTATIONS, THE PURCHASING DIRECTOR MAY ELECT TO SOLICIT ADDITIONAL QUOTATIONS. THEY SHALL ALSO GIVE CONSIDERATION, WHERE POSSIBLE AND PRACTICAL, TO BUSINESSES WITH A PHYSICAL LOCATION WITHIN THE CITY, OR IF

NOT POSSIBLE, WITHIN GENESEE COUNTY.

THE PURCHASING DIRECTOR MAY ASSESS THESE PURCHASES AS TO THE FEASIBILITY OF FUTURE FORMAL COMPETITIVE PROCESSES FOR THE GOODS AND SERVICES BEING PROCURED IN THIS MANNER.

§ 18-21.7 PUBLIC ENTITY PURCHASES.

THE PURCHASING DIRECTOR IS AUTHORIZED, IF DETERMINED TO BE IN THE BEST INTERESTS OF THE CITY, TO PURCHASE GOODS AND SERVICES FOR THE CITY, RELYING ON COMPETITIVE PROCESSES UNDERTAKEN BY OTHER PUBLIC ENTITIES, INCLUDING THE FEDERAL GOVERNMENT, THE STATE OF MICHIGAN, MUNICIPALITIES, SPECIAL PURPOSE DISTRICTS AND AUTHORITIES, AND SCHOOL DISTRICTS.

THE PURCHASING DIRECTOR MAY APPROVE OR RECOMMEND THE APPROVAL OF A CONTRACT WITH THE VENDOR WHO HAS A CONTRACT WITH ANOTHER PUBLIC ENTITY FOR GOODS OR SERVICES THAT THE CITY WOULD LIKE TO PURCHASE, IF AT A MINIMUM:

(1) THE CONTRACT IS FOR THE SAME GOODS, SERVICES, OR CONSTRUCTION AND AT THE SAME PRICE, TERMS, AND CONDITIONS AS ARE IN THE CONTRACT WITH THE OTHER PUBLIC ENTITY; AND,

(2) THE CONTRACT BETWEEN THE PERSON AND THE OTHER PUBLIC ENTITY WAS AWARDED IN A MANNER CONSISTENT WITH PROCUREMENT BEST PRACTICES AS DETERMINED BY THE PURCHASING DIRECTOR.

§ 18-21.8 SOLE SOURCE PURCHASES.

A PURCHASE ORDER AGREEMENT OR FORMAL WRITTEN CONTRACT FOR THE PURCHASE OF GOODS AND SERVICES MAY BE AWARDED IN THE DISCRETION OF THE PURCHASING DIRECTOR, WITHOUT A FORMAL COMPETITIVE PROCESS WHEN, AFTER CONDUCTING A GOOD FAITH REVIEW OF AVAILABLE SOURCES AND EXISTING EQUIPMENT, THE PURCHASING DIRECTOR DETERMINES THAT:

(1) THERE IS ONLY ONE SOURCE FOR THE REQUIRED SUPPLY, SERVICE, OR CONSTRUCTION ITEM; OR

(2) THE CHOSEN SOURCE IS THE BEST CHOICE IN THE INTERESTS OF EQUIPMENT STANDARDIZATION AND EFFICIENT OPERATIONS. THE PURCHASING DIRECTOR, IN CONSULTATION WITH THE DEPARTMENT HEAD, SHALL OBTAIN A FORMAL PROPOSAL FROM THE VENDOR SPECIFIC TO THE NEEDED GOODS AND SERVICES, AND SHALL MAKE ALL GOOD FAITH EFFORTS TO SECURE A PRICE THAT IS IN THE BEST INTERESTS OF THE CITY. THE REQUESTING DEPARTMENT SHALL PRODUCE A WRITTEN EVALUATION OF THE PROPOSED SOLE SOURCE PURCHASE, DETAILING THE RATIONALE FOR THE RECOMMENDATION.

(3) THE PURCHASE FOLLOWS THE REQUIREMENTS FOR APPROVAL THRESHOLDS

OF § 18-21.3 COMPETITIVE SEALED BIDDING - SECTION (8) AND § 18-21.4 COMPETITIVE SEALED PROPOSALS - SECTION (9).

§ 18-21.9 EMERGENCY PURCHASES.

NOTWITHSTANDING ANY OTHER PROVISION OF THESE REGULATIONS, THE PURCHASING DIRECTOR MAY MAKE OR AUTHORIZE OTHERS TO MAKE EMERGENCY PURCHASES OF SUPPLIES, SERVICES, OR CONSTRUCTION ITEMS WHEN THERE EXISTS A THREAT TO PUBLIC HEALTH, WELFARE, OR SAFETY; PROVIDED THAT THE EMERGENCY PROCUREMENTS SHALL BE MADE WITH SUCH COMPETITION AS IS PRACTICABLE UNDER THE CIRCUMSTANCES. THE REQUESTING DEPARTMENT SHALL PRODUCE A WRITTEN RATIONALE OF THE CIRCUMSTANCES SURROUNDING THE NEED FOR AN EMERGENCY PURCHASE, THE COST, AND ANY EFFORTS MADE TO SECURE COMPETITIVE PRICES.

IF THE AUTHORIZED PURCHASE IS FOR LESS THAN $20,000, THE DECISION OF THE PURCHASING DIRECTOR SHALL BE FINAL, AND A NOTATION WILL BE MADE IN THE ELECTRONIC RECORD KEEPING FOR THE PURCHASE REQUEST. IF TIME PERMITS, THE PURCHASE SHOULD FOLLOW THE REQUIREMENTS FOR APPROVAL THRESHOLDS OF § 18-21.3 COMPETITIVE SEALED BIDDING - SECTION (8) AND § 18-21.4 COMPETITIVE SEALED PROPOSALS - SECTION (9).

§ 18-21.10 REPORTING AND ACCOUNTABILITY.

THE PURCHASING DIRECTOR, ON A MONTHLY BASIS, SHALL PREPARE A REPORT THAT PROVIDES TOTAL EXPENDITURES WITH SPECIFIC VENDORS TO DATE THAT HAVE EXCEEDED A TOTAL OF $10,000.00. THIS REPORT SHALL INCLUDE THE PURCHASE ORDER NUMBER, THE AMOUNT OF THE PURCHASE, THE DEPARTMENT REQUESTING THE GOODS AND SERVICES, AND A DESCRIPTION OF THE GOODS AND SERVICES.

THE REPORT SHALL BE MADE PUBLICALLY AVAILABLE VIA ELECTRONIC MEANS ON A MONTHLY BASIS. THE PURCHASING DIRECTOR SHALL BE AVAILABLE TO REVIEW THE REPORT AND PROVIDE ADDITIONAL INFORMATION AS MAY BE REQUESTED BY THE CITY COUNCIL, OR THEIR DESIGNATED COMMITTEE.

§ 18-21.11 CONTRACTS.

WHERE FINAL AGREEMENT FOR THE PURCHASE OF GOODS OR SERVICES REQUIRES A CONTRACT BINDING THE CITY, OTHER THAN THE ISSUANCE OF A PURCHASE ORDER OR USE OF A PROCUREMENT CARD, THE AGREEMENT MUST BE APPROVED BY THE CITY ATTORNEY BEFORE PRESENTING IT TO THE PERSON AUTHORIZED TO BIND THE CITY.

A MODIFICATION OF A CONTRACT MUST BE APPROVED IN THE SAME MANNER THAT THE CONTRACT WAS APPROVED. ALL CONTRACT MODIFICATIONS MUST BE IN WRITING AND APPROVED IN ADVANCE BY THE CITY ATTORNEY.

DEPARTMENT HEADS ARE RESPONSIBLE FOR MONITORING THE TERMS OF ANY AGREEMENT APPROVED FOR GOODS AND SERVICES FOR THEIR AREA OF RESPONSIBILITY. THE PURCHASING DIRECTOR AND DEPARTMENT HEADS SHALL ASSURE

THAT A CONTRACT ADMINISTRATION SYSTEM IS DESIGNED AND IMPLEMENTED TO ENSURE THAT A CONTRACTOR IS PERFORMING IN ACCORDANCE WITH THE SOLICITATION UNDER WHICH THE CONTRACT WAS AWARDED AND THE TERMS AND CONDITIONS OF THE CONTRACT, AND THAT THE DEPARTMENT IS IN COMPLIANCE WITH ALL REQUIREMENTS OF ANY APPLICABLE GRANTS.

§ 18-21.12 DUE DILIGENCE.

AS PART OF THE EVALUATION OF ANY VENDOR PROPOSING TO DO BUSINESS WITH THE CITY, THE PURCHASING DIRECTOR OR DESIGNEE MAY, AT REASONABLE TIMES, INSPECT THE PART OF THE PLANT, PLACE OF BUSINESS, OR WORKSITE OF A CONTRACTOR OR SUBCONTRACTOR AT ANY TIER THAT IS PERTINENT TO THE PERFORMANCE OF ANY CONTRACT AWARDED, OR TO BE AWARDED, BY THE CITY.

THE CITY MAY ALSO, AT REASONABLE TIMES AND PLACES, AUDIT THE BOOKS AND RECORDS OF ANY CONTRACTOR WHO HAS SUBMITTED COST OR PRICING DATA AS A PART OF ITS BID OR PROPOSAL, TO THE EXTENT THAT THE BOOKS, DOCUMENTS, PAPER, AND RECORDS ARE PERTINENT TO THE COST OR PRICING DATA FOR THREE (3) YEARS FROM THE DATE OF FINAL PAYMENT UNDER THE CONTRACT.

§ 18-21.13 REPORTING OF ANTICOMPETITIVE PRACTICES.

WHEN FOR ANY REASON COLLUSION OR OTHER ANTICOMPETITIVE PRACTICES ARE SUSPECTED AMONG ANY BIDDERS OR RESPONDENTS, A NOTICE OF THE RELEVANT FACTS SHALL BE TRANSMITTED TO THE CITY ATTORNEY'S OFFICE.

§ 18-21.14 DEBARMENT OR SUSPENSION.

THE PURCHASING DIRECTOR, WITH THE CONSENT OF THE CITY ATTORNEY AND THE APPROVAL OF THE MAYOR AND CITY COUNCIL, IS AUTHORIZED TO DEBAR A PERSON FOR CAUSE FROM CONSIDERATION FOR AWARD OF CONTRACTS. THE DEBARMENT SHALL BE FOR A PERIOD OF NOT MORE THAN THREE (3) YEARS. AFTER CONSULTATION WITH THE CITY ATTORNEY, THE PURCHASING DIRECTOR IS AUTHORIZED TO SUSPEND A PERSON FROM CONSIDERATION FOR AWARD OF CONTRACTS IF THERE IS PROBABLE CAUSE TO BELIEVE THAT THE PERSON HAS ENGAGED IN ANY ACTIVITY THAT MIGHT LEAD TO DEBARMENT. THE SUSPENSION SHALL BE FOR A PERIOD NOT TO EXCEED THREE (3) YEARS. THE CAUSES FOR DEBARMENT INCLUDE:

(1) CONVICTION FOR COMMISSION OF A CRIMINAL OFFENSE AS AN INCIDENT TO OBTAINING OR ATTEMPTING TO OBTAIN A PUBLIC OR PRIVATE CONTRACT OR SUBCONTRACT, OR IN THE PERFORMANCE OF THE CONTRACT OR SUBCONTRACT;

(2) CONVICTION UNDER STATE OR FEDERAL STATUTES OF EMBEZZLEMENT, THEFT, FORGERY, BRIBERY, FALSIFICATION OR DESTRUCTION OF RECORDS, RECEIVING STOLEN PROPERTY, OR ANY OTHER OFFENSE INDICATING A LACK OF BUSINESS INTEGRITY OR BUSINESS HONESTY THAT

CURRENTLY, SERIOUSLY, AND DIRECTLY AFFECTS RESPONSIBILITY AS A CITY CONTRACTOR;

(3) CONVICTION UNDER STATE OR FEDERAL ANTITRUST STATUTES ARISING OUT OF THE SUBMISSION OF BIDS OR PROPOSALS;

(4) VIOLATION OF CONTRACT PROVISIONS, AS SET FORTH BELOW, OF A CHARACTER THAT IS REGARDED BY THE PURCHASING DIRECTOR TO BE SO SERIOUS AS TO JUSTIFY DEBARMENT ACTION:

(A) DELIBERATE FAILURE, WITHOUT GOOD CAUSE, TO PERFORM IN ACCORDANCE WITH THE SPECIFICATIONS OR WITHIN THE TIME LIMIT PROVIDED IN THE CONTRACT; OR

(B) A RECENT RECORD OF FAILURE TO PERFORM, OR OF UNSATISFACTORY PERFORMANCE, IN ACCORDANCE WITH THE TERMS OF ONE OR MORE CONTRACTS; PROVIDED THAT FAILURE TO PERFORM OR UNSATISFACTORY PERFORMANCE CAUSED BY ACTS BEYOND THE CONTROL OF THE CONTRACTOR SHALL NOT BE CONSIDERED TO BE A BASIS FOR DEBARMENT;

(5) ANY OTHER CAUSE THE PURCHASING DIRECTOR DETERMINES TO BE SO SERIOUS AND COMPELLING AS TO AFFECT RESPONSIBILITY AS A CITY CONTRACTOR, INCLUDING DEBARMENT BY ANOTHER GOVERNMENTAL ENTITY FOR ANY CAUSE LISTED IN THESE REGULATIONS; AND

(6) FOR VIOLATION OF THE ETHICAL STANDARDS AS SET FORTH IN THE CITY OF FLINT CODE OF CONDUCT POLICY.

THE PURCHASING DIRECTOR SHALL ISSUE A WRITTEN DECISION TO DEBAR OR SUSPEND. THE DECISION SHALL STATE THE REASONS FOR THE ACTION TAKEN AND INFORM THE DEBARRED OR SUSPENDED PERSON INVOLVED OF THEIR RIGHTS CONCERNING JUDICIAL OR ADMINISTRATIVE REVIEW. ANY PERSON RECOMMENDED TO BE DEBARRED PURSUANT TO THIS SECTION SHALL BE GIVEN ADVANCE WRITTEN NOTICE AND SHALL BE AFFORDED THE RIGHT TO CONTEST THE RECOMMENDATION BEFORE THE CITY COUNCIL.

§ 18-21.15 BID PROTESTS.

(1) *RIGHT TO PROTEST.* ANY ACTUAL OR PROSPECTIVE BIDDER, RESPONDENT, OR CONTRACTOR WHO IS AGGRIEVED IN CONNECTION WITH THE SOLICITATION OR AWARD OF A PURCHASE ORDER AGREEMENT OR CONTRACT MAY PROTEST THE ACTION TO THE CITY.

(2) *PROCESS FOR FILING A PROTEST.* A PROTEST WITH RESPECT TO AN INVITATION FOR BIDS OR REQUEST FOR PROPOSALS MUST BE SUBMITTED IN WRITING TO THE PURCHASING DIRECTOR. THE PROTEST MUST BE ENTITLED "BID PROTEST" AND MUST CLEARLY

IDENTIFY THE SOLICITATION AND AWARD UNDER PROTEST, AND MUST STATE THE GROUNDS FOR THE PROTEST. THE PURCHASING DIRECTOR SHALL PROVIDE A COPY OF ANY TIMELY BID PROTEST TO THE MAYOR AND CITY COUNCIL WITHIN SEVEN (7) CALENDAR DAYS OF ITS SUBMISSION.

(3) *TIME LIMITS FOR FILING.* PROTESTS MUST BE RECEIVED BY THE PURCHASING DIRECTOR NO LATER THAN SEVEN (7) CALENDAR DAYS AFTER THE AGGRIEVED PERSON KNEW OR SHOULD HAVE KNOWN OF THE FACTS GIVING RISE TO THE PROTEST, AND IN NO EVENT LATER THAN FOURTEEN (14) CALENDAR DAYS AFTER AWARD OF THE PURCHASE ORDER AGREEMENT OR CONTRACT. FAILURE TO FILE A BID PROTEST WITHIN THESE TIME LIMITS CONSTITUTES A WAIVER OF THE PROTEST.

(4) *STAY OF PROCUREMENTS DURING PROTESTS.* IN THE EVENT A TIMELY PROTEST IS SUBMITTED TO THE PURCHASING DIRECTOR UNDER THIS SECTION, THE PURCHASING DIRECTOR SHALL NOT PROCEED FURTHER WITH THE SOLICITATION, AWARD, OR PERFORMANCE OF THE PURCHASE ORDER AGREEMENT OR CONTRACT UNTIL THE PROTEST IS SUSTAINED OR DISMISSED, OR THE CITY COUNCIL MAKES A DETERMINATION ON THE RECORD THAT THE AWARD OR PERFORMANCE OF A PURCHASE ORDER AGREEMENT OR CONTRACT WITHOUT DELAY IS NECESSARY TO PROTECT SUBSTANTIAL INTERESTS OF THE CITY; PROVIDED HOWEVER THAT IF THE POSTPONEMENT OF THE PURCHASE OF GOODS OR SERVICES IMPAIRS THE ABILITY OF THE CITY TO CARRY OUT ITS SERVICES, THE PURCHASING DIRECTOR, WITH THE APPROVAL OF THE MAYOR, MAY TAKE NECESSARY STEPS TO OBTAIN THE MINIMUM AMOUNT OF GOODS AND SERVICES NECESSARY TO ENABLE CITY SERVICES TO CONTINUE.

(5) *DECISION BY THE PURCHASING DIRECTOR.* THE PURCHASING DIRECTOR SHALL ISSUE A WRITTEN DECISION SUSTAINING OR DENYING THE BID PROTEST WITHIN FIFTEEN (15) DAYS OF RECEIPT OF A WRITTEN AND TIMELY PROTEST. A COPY OF THE PURCHASING DIRECTOR'S DECISION MUST BE PROVIDED TO THE PROTESTING BIDDER OR PROPOSER, THE MAYOR, AND THE CITY COUNCIL.

(6) *APPEAL TO THE MAYOR.* A PROTESTING BIDDER OR PROPOSER MAY APPEAL THE PURCHASING DIRECTOR'S DECISION TO THE MAYOR BY FILING A WRITTEN APPEAL WITH THE MAYOR WITHIN SEVEN (7) DAYS OF THE DATE OF THE PURCHASING DIRECTOR'S DECISION. THE MAYOR SHALL CONDUCT THE INVESTIGATION AS DEEMED NECESSARY TO RESPOND TO THE APPEAL, AND SHALL PROVIDE HIS OR HER DECISION ON THE APPEAL WITHIN SEVEN (7) DAYS.

(7) *APPEAL TO CITY COUNCIL.* A PROTESTING BIDDER OR PROPOSER MAY APPEAL THE PURCHASING DIRECTOR'S DECISION TO THE CITY COUNCIL BY FILING A WRITTEN APPEAL WITH THE CITY CLERK WITHIN SEVEN (7) DAYS OF THE DATE OF THE MAYOR'S DECISION. THE PROTESTING BIDDER SHALL BE AFFORDED AN OPPORTUNITY AT THE NEXT REGULARLY SCHEDULED CITY COUNCIL MEETING TO ADDRESS THE CITY COUNCIL AND STATE THE GROUNDS FOR THE APPEAL. NO LATER THAN THE NEXT REGULARLY SCHEDULED MEETING, CITY COUNCIL

SHALL MAKE ITS DECISION ON THE APPEAL.

§ 18-21.16 CONTRACT CLAIMS.

(1) *DECISION OF THE PURCHASING DIRECTOR.* ALL CLAIMS BY A CONTRACTOR AGAINST THE CITY RELATING TO A CONTRACT SHALL BE SUBMITTED IN WRITING TO THE PURCHASING DIRECTOR FOR A DECISION. THE SUBMISSION MUST IDENTIFY THE GROUNDS FOR THE CLAIM. THE CONTRACTOR MAY REQUEST A CONFERENCE WITH THE PURCHASING DIRECTOR ON THE CLAIM. CLAIMS INCLUDE, WITHOUT LIMITATION, DISPUTES ARISING UNDER A CONTRACT, AND THOSE BASED UPON BREACH OF CONTRACT, MISTAKE, MISREPRESENTATION, OR OTHER CAUSE FOR CONTRACT MODIFICATION OR RESCISSION.

(2) *NOTICE TO THE CONTRACTOR OF THE PURCHASING DIRECTOR'S DECISION.* THE DECISION OF THE PURCHASING DIRECTOR SHALL BE ISSUED IN WRITING WITHIN THIRTY (30) DAYS OF SUBMISSION, AND SHALL BE IMMEDIATELY MAILED OR OTHERWISE FURNISHED TO THE CONTRACTOR. THE DECISION SHALL STATE THE REASONS FOR THE DECISION REACHED, AND SHALL INFORM THE CONTRACTOR OF ITS APPEAL RIGHTS UNDER SUBSECTION (3) OF THIS SECTION. THE PURCHASING DIRECTOR SHALL CONSULT WITH THE CITY ATTORNEY PRIOR TO MAKING A DECISION DENYING THE CONTRACTOR'S CLAIM IN WHOLE OR IN PART.

(3) *FINALITY OF PURCHASING DIRECTOR DECISION; CONTRACTOR'S RIGHT TO APPEAL.* THE PURCHASING DIRECTOR DECISION SHALL BE FINAL AND CONCLUSIVE UNLESS, WITHIN SEVEN (7) CALENDAR DAYS FROM THE DATE OF RECEIPT OF THE DECISION, THE CONTRACTOR MAILS OR OTHERWISE DELIVERS A WRITTEN APPEAL TO THE CITY ADMINISTRATOR.

(4) *APPEAL TO THE CITY ADMINISTRATOR.* A PROTESTING CONTRACTOR MAY APPEAL THE PURCHASING DIRECTOR'S DECISION TO THE CITY ADMINISTRATOR BY FILING A WRITTEN APPEAL WITH THE CITY ADMINISTRATOR WITHIN SEVEN (7) DAYS OF THE DATE OF THE PURCHASING DIRECTOR'S DECISION. THE CITY ADMINISTRATOR SHALL CONDUCT THE INVESTIGATION AS DEEMED NECESSARY TO RESPOND TO THE APPEAL, AND SHALL PROVIDE HIS DECISION ON THE APPEAL WITHIN SEVEN (7) DAYS.

§ 18-21.17 AUTHORITY OF THE PURCHASING DIRECTOR TO SETTLE BID PROTESTS AND CONTRACT CLAIMS.

THE PURCHASING DIRECTOR IS AUTHORIZED TO SETTLE ANY PROTEST REGARDING THE SOLICITATION OR AWARD OF A PURCHASE ORDER AGREEMENT OR CITY CONTRACT, OR ANY CLAIM ARISING OUT OF THE PERFORMANCE OF A PURCHASE ORDER AGREEMENT OR CITY CONTRACT, PRIOR TO THE COMMENCEMENT OF AN ACTION IN A COURT OF COMPETENT JURISDICTION.

§ 18-21.18 CANCELLATION OF SOLICITATIONS FOR THE PURCHASE OF GOODS AND SERVICES.

AT ANY TIME THE CITY DETERMINES THAT A SOLICITATION FOR GOODS OR SERVICES SHOULD BE CANCELLED BECAUSE IT IS NOT IN THE BEST INTERESTS OF THE CITY TO MAKE THE PROCUREMENT, THE

PURCHASING DIRECTOR SHALL IMMEDIATELY NOTIFY THE POTENTIAL VENDORS OF THE CITY'S DECISION. HOWEVER, THE CITY SHALL HAVE NO OBLIGATION OR RESPONSIBILITY FOR ANY COSTS OR INCONVENIENCES INCURRED BY ANY POTENTIAL VENDOR, UNLESS AN AWARD HAS BEEN FORMALLY MADE AND ACCEPTED BY ISSUANCE OF A PURCHASE ORDER OR SIGNING OF A CONTRACT.

§ 18-21.19 ETHICS IN PURCHASING.

THE PROCESS OF PURCHASING GOODS AND SERVICES IS DESIGNED TO ENSURE COMPETITIVE PROCUREMENT CONDUCTED IN AN ETHICAL AND TIMELY MANNER IN ORDER FOR THE CITY TO CARRY OUT ITS DUTIES.

ALL EMPLOYEES DELEGATED AUTHORITY WITH RESPECT TO ALL PURCHASES OF GOODS AND SERVICES ARE CHARGED WITH THE RESPONSIBILITY OF MAKING PURCHASES IN A COMPETITIVE AND ETHICAL MANNER, AND FOR ADHERING IN ALL RESPECTS TO THE CITY OF FLINT CODE OF CONDUCT POLICY. VIOLATION OF THE CITY OF FLINT CODE OF CONDUCT POLICY, INCLUDING THE USE OF CITY RESOURCES FOR PERSONAL USE OR GAIN IS GROUNDS FOR TERMINATION OF EMPLOYMENT AND POSSIBLE CRIMINAL PROSECUTION.

LIKEWISE, PERSONS OR ENTITIES PROPOSING TO, OR ENGAGED IN, THE PROVISION OF GOODS AND SERVICES TO THE CITY ARE CHARGED WITH THE RESPONSIBILITY OF PROPOSING AND PROVIDING GOODS AND SERVICES IN A COMPETITIVE AND ETHICAL MANNER.

WHILE A PROCUREMENT IS PENDING, BIDDERS AND PROPOSERS SHALL NOT COMMUNICATE ABOUT THE SOLICITATION WITH ANY CITY EMPLOYEE, AGENT, OR ELECTED OFFICIAL, OTHER THAN THE PURCHASING DIRECTOR OR OTHER CITY PERSONNEL IDENTIFIED IN THE SOLICITATION.

TO THE EXTENT THAT VIOLATIONS OF THE ETHICAL STANDARDS OF CONDUCT SET FORTH IN THIS ARTICLE CONSTITUTE VIOLATIONS OF THE MICHIGAN PENAL CODE, THEY SHALL BE PUNISHABLE AS PROVIDED THEREIN. THE PENALTIES SHALL BE IN ADDITION TO THE CIVIL SANCTIONS SET FORTH IN THIS ARTICLE. CRIMINAL, CIVIL, AND ADMINISTRATIVE SANCTIONS AGAINST EMPLOYEES OR NON-EMPLOYEES THAT ARE IN EXISTENCE ON THE EFFECTIVE DATE OF THIS ARTICLE SHALL NOT BE IMPAIRED.

IT SHALL BE UNETHICAL AND GROUNDS FOR DEBARMENT AND POTENTIAL CRIMINAL PROSECUTION FOR ANY PERSON TO OFFER, GIVE, OR AGREE TO GIVE TO ANY CITY EMPLOYEE A GRATUITY, AN OFFER OF EMPLOYMENT, OR ANYTHING ELSE OF VALUE IN CONNECTION WITH ANY DECISION TO APPROVE, DISAPPROVE, OR RECOMMEND THE AWARD OF A CONTRACT, OR IN CONNECTION WITH ANY DECISION WITH REGARD TO A BID PROTEST, OR WITH INTENT TO INFLUENCE THE CONTENT OF ANY SPECIFICATIONS OR PROCUREMENT STANDARDS, OR ADVICE, INVESTIGATION, AUDIT REPORT, OR ANY OTHER ADVISORY COMMUNICATION RELATED TO A PROCUREMENT OR CONTRACT UNDER THIS ARTICLE.

IT SHALL BE UNETHICAL AND A VIOLATION OF THE CITY OF FLINT CODE OF CONDUCT POLICY AND

GROUNDS FOR POSSIBLE TERMINATION AND CRIMINAL PROSECUTION FOR ANY CITY EMPLOYEE TO SOLICIT, DEMAND, ACCEPT, OR AGREE TO ACCEPT FROM ANOTHER PERSON A GRATUITY, AN OFFER OF EMPLOYMENT, OR ANYTHING ELSE OF VALUE IN CONNECTION WITH ANY DECISION TO APPROVE, DISAPPROVE, OR RECOMMEND THE AWARD OF A CONTRACT, OR IN CONNECTION WITH ANY DECISION WITH REGARD TO A BID PROTEST, OR WITH INTENT TO INFLUENCE THE CONTENT OF ANY SPECIFICATIONS OR PROCUREMENT STANDARDS, OR ADVICE, INVESTIGATION, AUDIT REPORT, OR ANY OTHER ADVISORY COMMUNICATION RELATED TO A PROCUREMENT OR CONTRACT UNDER THIS ARTICLE.

IT SHALL BE UNETHICAL AND GROUNDS FOR DEBARMENT AND POTENTIAL CRIMINAL PROSECUTION FOR ANY PAYMENT, GRATUITY, OR OFFER OF EMPLOYMENT TO BE MADE BY OR ON BEHALF OF A SUBCONTRACTOR UNDER A CONTRACT TO THE PRIME CONTRACTOR OR HIGHER TIER SUBCONTRACTOR OR ANY PERSON ASSOCIATED THEREWITH, AS AN INDUCEMENT FOR THE AWARD OF A SUBCONTRACT OR ORDER.

§ ~~18-21.14~~ 18-21.20 SALE OR LEASE OF CITY OWNED PROPERTY.

No interest in real property of the City ~~of Flint~~ shall be disposed of, transferred, or otherwise alienated unless by ordinance or resolution of the City Council.

Sec. 2. This ordinance shall become effective the 1st **day of** May, **~~2014~~** 2015.

Adopted this 10th **day of** April, **2015 A.D.**

Gerald Ambrose, Emergency Manager

APPROVED AS TO FORM:

Peter M. Bade, City Attorney

EM SUBMISSION NO.: EMA 162 2015

PRESENTED: 4-9-15

ADOPTED: 4-10-15

S:\Ordinance Files\Purchasing Ordinance Final 04.02.15.docx

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

Jason Lorenz
Public Information Officer
(810) 237-2039
jlorenz@cityofflint.com

For Immediate Release

EM Updates Council, Requests support for Emergency Loan and District Court Consolidation; Adjusts Salaries for Mayor and Council

Flint, Michigan – April 13, 2015 – By letter to City Council issued today, Emergency Manager Jerry Ambrose congratulated City Council for their recent actions committing to restoring and maintaining the City's financial solvency. Mr. Ambrose stated that recent actions to adopt a series of ordinances requiring commitment to establishing appropriate financial reserves and an improved planning and budgeting process indicate that the Council understands the need to restore and maintain Flint's financial solvency. "While there is much yet to do, these are positive steps in the right direction," said Mr. Ambrose. "The ongoing challenge will be to adhere to the requirements the City Council has adopted themselves."

Mr. Ambrose's letter also reiterated the priority issues currently facing the City – developing a long range financial plan, beginning with the upcoming FY16 and FY17 budget; continuing to address concerns with water safety, quality and affordability; and stabilizing resources for public safety. "These are clearly the top priority issues, and ones which require the cooperation of all if they are to be successfully addressed," stated Mr. Ambrose. "Unfortunately, resources are extremely limited, and we must make decisions which address the most critical issues in a financially sound manner – and that often means we cannot do everything everybody wants."

Some of the ingredients of restoring Flint's financial solvency on a sustainable basis, according to Mr. Ambrose, include obtaining a $7 million loan to finance the accumulated

–CONTINUE–

General Fund deficit and approving the consolidation of the 67th and 68th District Courts. Both issues are pending before City Council and Mr. Ambrose is hopeful for a quick positive response. "The terms and conditions offered with this loan equate to a good deal for the City and will enable it to begin to more quickly rebuild its financial solvency. Approving the court consolidation will reduce City expenses by $8.4 million over the next 10 years and will help to provide some stability in funding other public safety services."

Mr. Ambrose also presented Council with actions he is taking to continue the progress towards transition, including an updated purchasing ordinance and an order officially defining the role of the new City Administrator as the chief administrative officer for the City. "Moving the City forward in today's environment requires professional managers, clear responsibilities, and modern practices," said Ambrose. "These actions move in that direction, and hopefully move the Council forward in truly becoming the governing body of the City, focused on policies and accountability for moving the City forward based on its vision, mission, and goals."

Recognizing the increasing role of the Mayor and Council as the City transitions to home rule with oversight by a Receivership Transition Advisory Board, Mr. Ambrose announced that he is reestablishing the salaries for Mayor and Council at the levels in place before the City was most recently placed into state receivership. He noted that Council meetings are now held twice per month, with committee meetings held once per month, and the Mayor is now much more engaged in a Chief Executive role. Continued receipt of the re-established salaries, however, will be contingent upon attainment of certain training levels. These training levels were established in prior orders of the Emergency Manager, and Councilmembers will have until November 1, 2015 to obtain it, or their salary will be reduced to the current level.

–END–

From: Saxton, Thomas (Treasury)
Sent: Friday, July 24, 2015 3:35 PM
To: Muchmore, Dennis (GOV)
Cc: Workman, Wayne (TREASURY)
Subject: RE: RDS/DM/EC/JW/NKhouri/TSaxton/WWorkman - Local Government Update

Next week sometime can Wayne & I have a follow up conversation with you re Flint water? Wayne & I had a call with Brad W. @ DEQ. He is getting back to us re some of the items on your list. So maybe mid-week?
I think the bottom line is Wayne, Brad & I (we would "volunteer") to meet with your minister group here in Lansing [to the extent we can] provide info to some of the issues they raised with you. It may be better that you are not at the meeting. Of course that is your call but maybe let us 'peons' do it. Harvey could be there in your stead; since he knows them. I am sure whatever we convey they probably won't be happy.

-----Original Message-----
From: Muchmore, Dennis (GOV)
Sent: Wednesday, July 22, 2015 2:44 PM
To: Workman, Wayne (TREASURY)
Cc: Clement, Elizabeth (GOV); Wisniewski, Wendy (GOV); Workman, Wayne (TREASURY); Saxton, Thomas (Treasury); Pleyte, Beth (Treasury); Doyle, Maureen (Treasury); Walsh, John (GOV); Khouri, Nick (TREASURY); Dempkowski, Angela (Treasury)
Subject: Re: RDS/DM/EC/JW/NKhouri/TSaxton/WWorkman - Local Government Update

Wayne-
We need to have more discussion relating to Flint water. There seem to be even more issues regarding the water than there should be. I'll have a series of questions that I really need some answers to if you can have someone who understands the problems there. The people there just seem to be getting a raw deal from the city particularly in terms of the information they are getting. I know you are as worried about their health as I am so we kind of need to get answers to some of these concerns.

> On Jul 22, 2015, at 2:08 PM, GovCalendar <GovCalendar@michigan.gov> wrote:
>
> Agenda:
> [redacted]
> Flint
> • Water System/KWA
> [redacted]

[redacted]

> Attachment: WWorkman Memo
>
>
> <Local Government Update.pdf>
> <meeting.ics>

From: Hollins, Harvey (GOV)
Sent: Monday, July 27, 2015 8:43 AM
To: [redacted]
Cc: [redacted] Muchmore, Dennis (GOV); Clement, Elizabeth (GOV)
Subject: Re: Water Filter

[redacted]

Thank you. We will work with [redacted] to identify the appropriate entity to receive the filters for Flint residents. In addition, we'll keep you out the public eye on this.

Please know, however, how much we appreciate [redacted] and most importantly you for doing this.

Best,
Harvey

> On Jul 27, 2015, at 7:44 AM, [redacted] wrote:
>
> Harvey -
>
> We are all set. [redacted] can serve as liaison on this one. The merchant team can source 1,500 filters. We will get them to the community at cost. My guess is this will be $20k or so, but the team will give you a final number.
>
> Because we don't want to be a state vendor, we won't sell them to you. [redacted] will work out logistics of whether we make a donation of gift cards to the state that you use to purchase them, or whether there is some other entity to which we can give them.
>
> Given all the circumstances, we are not interested in any publicity. We want it to be clear that the state is providing these, not [redacted]
>
> Thanks for reaching out.
>
> [redacted]
>
> -----Original Message-----
> From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]
> Sent: Thursday, July 23, 2015 12:20 PM
> To: [redacted]
> Subject: RE: Water Filter
>
> Thank you.
>
> -----Original Message-----
> From: [redacted]
> Sent: Thursday, July 23, 2015 10:57 AM
> To: Hollins, Harvey (GOV)
> Cc: [redacted]
> Subject: RE: Water Filter
>

> Will get back soon.
>
> -----Original Message-----
> From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]
> Sent: Wednesday, July 22, 2015 12:17 PM
> To: [redacted]
> Subject: Water Filter
>
> [redacted]
> Per our last conversation, I expressed that we were interested acquiring and distributing 1500 water filters to Flint residents to assist with the quality (perceived or real) of their drinking water until the KWA pipeline comes online.
>
> A few weeks ago, you asked me to send you the product ID number so you could check with your suppliers regarding price. I apologize for taking long to send you product ID; a number of conversations needed to occur in Flint before we could proceed.
>
> The product ID for a Brita Filter for kitchen faucets is:
> Product ID 3176421
> UPC 7-23987-0078
>
> Thank you for taking the time to look into this.
>
> Best,
> Harvey Hollins III, Director
> Governor's Office of Urban Initiatives
>
> 313.456.4994<tel:313.456.4994> (office)
> [redacted] (Cell)
>
> _____
>
> NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.
>
> _____
>
> NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

From: Hollins, Harvey (GOV)
Sent: Wednesday, July 29, 2015 11:21 AM
To: Muchmore, Dennis (GOV)
Cc: Clayton, Stacie (GOV)
Subject: Re: Updated Memo on Water Coalition Questions - July 29

If your schedule permits, let's go to Flint to meet with them next week, or we can ask them to come back to Lansing. We should convey the response verbally and in person. If you're open to it, I'll ask Stacie to schedule that meeting next week.

Best,
Harvey

On Jul 29, 2015, at 9:03 AM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:

> Here's the answers to some of the questions. How do you want to approach the pastors and community leaders, we owe them answers to the questions they asked.
>
> ---
>
> **From:** Workman, Wayne (TREASURY)
> **Sent:** Wednesday, July 29, 2015 8:36 AM
> **To:** Muchmore, Dennis (GOV); Wurfel, Brad (DEQ); Lyon, Nick (DCH); Clement, Elizabeth (GOV)
> **Cc:** Saxton, Thomas (Treasury); Wisniewski, Wendy (GOV)
> **Subject:** FW: Updated Memo on Water Coalition Questions - July 29
> **Importance:** High
>
> All, Attached is a memo and water rate summary answering several of the questions raised by the Flint pastors. Please let me know if you have any questions. Wayne
>
> Wayne L. Workman
> Deputy State Treasurer
> Michigan Department of Treasury
>
> ---
>
> **From:** Cline, Richard (Treasury)
> **Sent:** Wednesday, July 29, 2015 8:21 AM
> **To:** Workman, Wayne (TREASURY)
> **Cc:** Dempkowski, Angela (Treasury); Byrne, Randall (Treasury)
> **Subject:** Updated Memo on Water Coalition Questions - July 29
> **Importance:** High
>
> Wayne,
>
> Attached is the water rate table you asked for and I have updated the memo to reference this as an attachment.
>
> If you need anything else, please let me know.
>
> Note that Rob, Randy and I will be in Benton Harbor for a portion of today conducting their annual RTAB evaluation.

Eric Cline | Department Manager
State of Michigan | Michigan Department of Treasury | Office of Fiscal Responsibility
430 W. Allegan Street, 3rd Floor | Lansing, MI 48922
Lansing Office (517) 335-2078 | Cell Phone [redacted] | Traverse City Office (231) 922-5228
E-mail clinerl@michigan.gov

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, is for the sole use of the intended recipient(s) and may contain information that is confidential and protected from disclosure under the law. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail, and delete/destroy all copies of the original message and attachments Thank you.

<Memo on Water Coalition Questions III.07-29-15.docx>

<Flint Water Rate History FINAL 02.11.15.pdf>

From: Hollins, Harvey (GOV)
Sent: Wednesday, July 29, 2015 6:58 PM
To: [redacted]
Cc: Clayton, Stacie (GOV); [redacted]
Subject: Re: Water Filter

We cannot express how much we appreciate this. Thank you!!

Best,
Harvey

On Jul 29, 2015, at 5:27 PM, [redacted] wrote:

> They are actually being donated.
>
> On Jul 29, 2015, at 5:23 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:
>
> > Thank you, [redacted] for the quick response. Harvey does have an additional question. Is the plan for the state to purchase the filters or is [redacted] donating them? The former is fine and the latter is great. If we purchase them we have to determine the process. If they are donated, I will identify the location in Flint where they will be shipped.
> >
> > Stacie
> >
> > ---
> > **From:** [redacted]
> > **Sent:** Wednesday, July 29, 2015 1:56 PM
> > **To:** Clayton, Stacie (GOV)
> > **Cc:** [redacted]
> > **Subject:** Re: Water Filter
> >
> > We are actually good to go and ready to ship vice copied [redacted] the VP over the area and my assistant.
> >
> > Just let us know the "ship to" and we are on our way.
> >
> > On Jul 29, 2015, at 1:47 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:
> >
> > > Hi [redacted]

I hope you are doing well and enjoying your summer. Please let me know a convenient time for a phone call with you so we can discuss the water filters.

Thank you,
Stacie

Stacie Clayton, Assistant Director
Harvey Hollins III, Director
Governor's Office of Urban Initiatives
3044 West Grand Boulevard, Ste. 14-650
Detroit, MI 48202
313.456.4994 (office)
claytons3@michigan.gov

From: Hollins, Harvey (GOV)
Sent: Wednesday, July 29, 2015 1:43 PM
To: Clayton, Stacie (GOV)
Subject: Fwd: Water Filter

Best,
Harvey

Begin forwarded message:

> **From:** "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
> **Date:** July 27, 2015 at 8:42:42 AM EDT
> **To:** [redacted]>
> **Cc:** [redacted]>, "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>
> **Subject: Re: Water Filter**
>
> [redacted]
>
> Thank you. We will work with [redacted] to identify the appropriate entity to receive the filters for Flint residents. In addition, we'll keep you out the public eye on this.
>
> Please know, however, how much we appreciate [redacted] and most importantly you for doing this.
>
> Best,
> Harvey

On Jul 27, 2015, at 7:44 AM, [redacted] wrote:

Harvey -

We are all set. [redacted] can serve as liaison on this one. The merchant team can source 1,500 filters. We will get them to the community at cost. My guess is this will be $20k or so, but the team will give you a final number.

Because we don't want to be a state vendor, we won't sell them to you. [redacted] will work out logistics of whether we make a donation of gift cards to the state that you use to purchase them, or whether there is some other entity to which we can give them.

Given all the circumstances, we are not interested in any publicity. We want it to be clear that the state is providing these, not [redacted]

Thanks for reaching out.

[redacted]

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Thursday, July 23, 2015 12:20 PM

To: [redacted]

Subject: RE: Water Filter

Thank you.

-----Original Message-----

From: [redacted]

Sent: Thursday, July 23, 2015 10:57 AM

To: Hollins, Harvey (GOV)

Cc: [redacted]

Subject: RE: Water Filter

Will get back soon.

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Wednesday, July 22, 2015 12:17 PM

To: [redacted]

Subject: Water Filter

[redacted]

Per our last conversation, I expressed that we were interested acquiring and distributing 1500 water filters to Flint residents to assist with the quality (perceived or real) of their drinking water until the KWA pipeline comes online.

A few weeks ago, you asked me to send you the product ID number so you could check with your suppliers regarding price. I apologize for taking long to send you product ID; a number of conversations needed to occur in Flint before we could proceed.

The product ID for a Brita Filter for kitchen faucets is:

Product ID 3176421

UPC 7-23987-0078

Thank you for taking the time to look into this.

Best,

Harvey Hollins III, Director

Governor's Office of Urban Initiatives

313.456.4994<tel:313.456.4994> (office)

[redacted] (Cell)

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are

not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

From: Wurfel, Brad (DEQ)
Sent: Thursday, July 30, 2015 9:47 AM
To: Muchmore, Dennis (GOV)
Cc: Clement, Elizabeth (GOV); Hollins, Harvey (GOV); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY)
Subject: Re: Flint Water Meeting

Absolutely, Chief. Thank you for the invite. We will be there.
b
Sent from my iPhone

> On Jul 30, 2015, at 9:43 AM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:
>
> Can you join us with some Flint community leaders on Tuesday at 9:30 to talk about these water quality issues (probably need to bring your science guy)? Tom and Wayne will be there and Harvey and I promised these pastors we'd have real information for them and we do.

From: Hollins, Harvey (GOV)
Sent: Friday, July 31, 2015 11:43 AM
To: Muchmore, Dennis (GOV)
Subject: Re: Updated Memo on Water Coalition Questions - July 29

Follow Up Flag: Follow up
Flag Status: Completed

It's already scheduled for next Tues in Lansing. Also, [redacted] is donating 1500 filters to be shipped after next Tues. [redacted] doesn't want to be recognized for this. At the meeting I asked the group to review their distribution plan.

Best,
Harvey

On Jul 31, 2015, at 11:38 AM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:

> I can do it here, can't go to Flint.
>
> ---
>
> **From:** Hollins, Harvey (GOV)
> **Sent:** Wednesday, July 29, 2015 11:21 AM
> **To:** Muchmore, Dennis (GOV)
> **Cc:** Clayton, Stacie (GOV)
> **Subject:** Re: Updated Memo on Water Coalition Questions - July 29
>
> If your schedule permits, let's go to Flint to meet with them next week, or we can ask them to come back to Lansing. We should convey the response verbally and in person. If you're open to it, I'll ask Stacie to schedule that meeting next week.
>
> Best,
> Harvey
>
> On Jul 29, 2015, at 9:03 AM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:
>
> > Here's the answers to some of the questions. How do you want to approach the pastors and community leaders, we owe them answers to the questions they asked.
> >
> > ---
> >
> > **From:** Workman, Wayne (TREASURY)
> > **Sent:** Wednesday, July 29, 2015 8:36 AM
> > **To:** Muchmore, Dennis (GOV); Wurfel, Brad (DEQ); Lyon, Nick (DCH); Clement, Elizabeth (GOV)
> > **Cc:** Saxton, Thomas (Treasury); Wisniewski, Wendy (GOV)
> > **Subject:** FW: Updated Memo on Water Coalition Questions - July 29
> > **Importance:** High
> >
> > All, Attached is a memo and water rate summary answering several of the questions raised by the Flint pastors. Please let me know if you have any questions. Wayne

Wayne L. Workman
Deputy State Treasurer
Michigan Department of Treasury

From: Cline, Richard (Treasury)
Sent: Wednesday, July 29, 2015 8:21 AM
To: Workman, Wayne (TREASURY)
Cc: Dempkowski, Angela (Treasury); Byrne, Randall (Treasury)
Subject: Updated Memo on Water Coalition Questions - July 29
Importance: High

Wayne,

Attached is the water rate table you asked for and I have updated the memo to reference this as an attachment.

If you need anything else, please let me know.

Note that Rob, Randy and I will be in Benton Harbor for a portion of today conducting their annual RTAB evaluation.

Eric Cline | Department Manager
State of Michigan | Michigan Department of Treasury | Office of Fiscal Responsibility
430 W. Allegan Street, 3rd Floor | Lansing, MI 48922
Lansing Office (517) 335-2078 | Cell Phone [redacted] | Traverse City Office (231) 922-5228
E-mail clinerl@michigan.gov

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, is for the sole use of the intended recipient(s) and may contain information that is confidential and protected from disclosure under the law. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail, and delete/destroy all copies of the original message and attachments Thank you.

<Memo on Water Coalition Questions III.07-29-15.docx>

<Flint Water Rate History FINAL 02.11.15.pdf>

From: Saxton, Thomas (Treasury)
Sent: Wednesday, September 16, 2015 10:43 AM
To: Muchmore, Dennis (GOV)
Cc: Workman, Wayne (TREASURY); Khouri, Nick (TREASURY)
Subject: RE: Flint

But there is no 'magic' bullet at this point in terms of money or anything substantive

---

From: Workman, Wayne (TREASURY)
Sent: Wednesday, September 16, 2015 10:40 AM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Khouri, Nick (TREASURY) <KhouriN@michigan.gov>
Cc: Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>; Lyon, Nick (DCH) <LyonN2@michigan.gov>; Wyant, Dan (DEQ) <WyantD@michigan.gov>; Wurfel, Brad (DEQ) <WurfelB@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Roberts, John (DTMB) <RobertsJ9@michigan.gov>
Subject: RE: Flint

We will have an update later today from our call with the City yesterday.

Wayne L. Workman
Deputy State Treasurer
Michigan Department of Treasury

From: Muchmore, Dennis (GOV)
Sent: Wednesday, September 16, 2015 10:33 AM
To: Khouri, Nick (TREASURY) <KhouriN@michigan.gov>
Cc: Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>; Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>; Lyon, Nick (DCH) <LyonN2@michigan.gov>; Wyant, Dan (DEQ) <WyantD@michigan.gov>; Wurfel, Brad (DEQ) <WurfelB@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Roberts, John (DTMB) <RobertsJ9@michigan.gov>
Subject: RE: Flint

Any additional information on this?

From: Khouri, Nick (TREASURY)
Sent: Tuesday, September 15, 2015 10:01 AM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Cc: Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>; Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>; Lyon, Nick (DCH) <LyonN2@michigan.gov>; Wyant, Dan (DEQ) <WyantD@michigan.gov>; Wurfel, Brad (DEQ) <WurfelB@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Roberts, John (DTMB) <RobertsJ9@michigan.gov>
Subject: Re: Flint

Tom

Any state or federal subsidized financing available? Something similar in structure to combined sewer overflow?

It's not free money, but a better option

Sent from my iPhone

On Sep 15, 2015, at 9:52 AM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:

> Nice of Dayne Walling to work with us before he called yesterday to tell me he was going to announce to City Council last night that Flint needs and deserves $30M from the state for upgrades to their water system and a lead abatement program. Any thoughts on this?

From: Wurfel, Brad (DEQ)
Sent: Wednesday, September 16, 2015 10:48 AM
To: Muchmore, Dennis (GOV)
Subject: RE: Flint

I'm drafting our response to the congressional / state elected officials. We plan to have this ready and ship it today, as EPA (Susan Hedman) sent her response yesterday. And we plan to follow suit with her form. Which was amazingly efficient in its brevity.
b

From: Muchmore, Dennis (GOV)
Sent: Wednesday, September 16, 2015 10:33 AM
To: Khouri, Nick (TREASURY)
Cc: Saxton, Thomas (Treasury); Workman, Wayne (TREASURY); Lyon, Nick (DCH); Wyant, Dan (DEQ); Wurfel, Brad (DEQ); Agen, Jarrod (GOV); Clement, Elizabeth (GOV); Hollins, Harvey (GOV); Roberts, John (DTMB)
Subject: RE: Flint

Any additional information on this?

From: Khouri, Nick (TREASURY)
Sent: Tuesday, September 15, 2015 10:01 AM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Cc: Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>; Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>; Lyon, Nick (DCH) <LyonN2@michigan.gov>; Wyant, Dan (DEQ) <WyantD@michigan.gov>; Wurfel, Brad (DEQ) <WurfelB@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Roberts, John (DTMB) <RobertsJ9@michigan.gov>
Subject: Re: Flint

Tom

Any state or federal subsidized financing available? Something similar in structure to combined sewer overflow?

It's not free money, but a better option

Sent from my iPhone

On Sep 15, 2015, at 9:52 AM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:

> Nice of Dayne Walling to work with us before he called yesterday to tell me he was going to announce to City Council last night that Flint needs and deserves $30M from the state for upgrades to their water system and a lead abatement program. Any thoughts on this?

From: Saxton, Thomas (Treasury)
Sent: Monday, September 28, 2015 5:57 PM
To: Muchmore, Dennis (GOV)
Cc: Khouri, Nick (TREASURY); Workman, Wayne (TREASURY); Stanton, Terry A. (Treasury); Wurfel, Brad (DEQ)
Subject: FW: KWA & Water Quality Chronology Timeline
Attachments: KWA & Water Quality Chronology Timeline.09-28-15.docx

Importance: High

Follow Up Flag: Follow up
Flag Status: Flagged

Dennis – attached is a first draft of a timeline. We will refine it tomorrow. We rec'd some info from Brad that we might need to incorporate. And Terry & Wayne's staff are still coming up with dates/events. Please let us know if this is what you had in mind.

Terry found these links; including an article when City Council approved the move/switch. There are some noteworthy quotes.

http://blog.mlive.com/newsnow_impact/print.html?entry=/2013/03/flint_city_council_approves_re.html

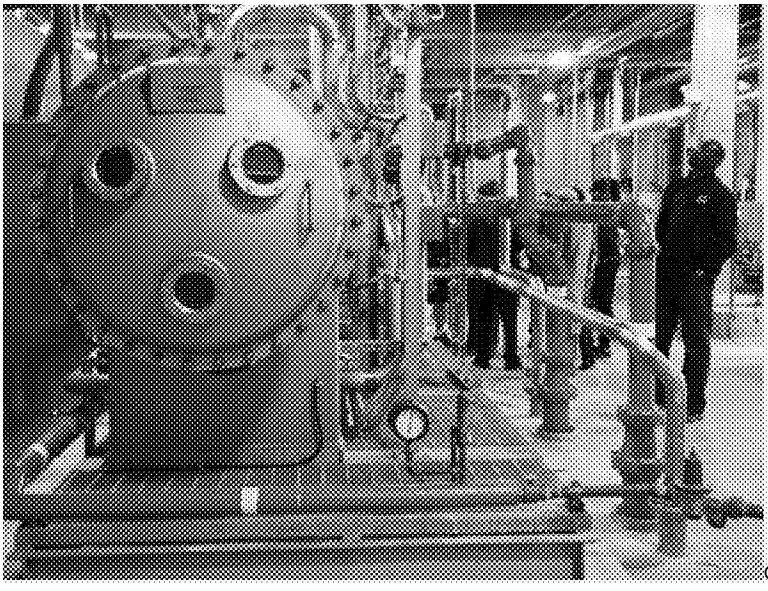
http://www.mlive.com/news/flint/index.ssf/2013/10/construction_permit_approved_s.html

Flint City Council approves resolution to buy water from Karegnondi, state approval still needed

Dominic Adams | dadams5@mlive.com By **Dominic Adams | dadams5@mlive.com** The Flint Journal

Follow on Twitter

on March 25, 2013 at 10:45 PM, updated March 26, 2013 at 1:28 AM



Guests get a look at an ozone generator at the Flint Water Treatment Plant during a public tour in this file photo. MLive.com File Photo

FLINT, MI – Flint is one step closer to getting its water from Lake Huron as part of the Karegnondi Water Authority.

The vote, **approved 7-1 at the Flint City Council meeting Monday, March 25**, may have set in motion the end to Flint paying to get its water from Detroit.

Under the proposal, Flint would get 16 million gallons per day of raw water from Lake Huron, pipe it to Flint for treatment and then sell it to customers throughout the city. Another 2 million gallons per day would come from the Flint River and will be treated in Flint.

Mayor Dayne Walling said the Department of Environmental Quality must approve Flint's getting 2 million gallons per day from the Flint River.

Tuesday's meeting followed weeks of discussions and special meetings surrounding the resolution.

"We got there," Councilman Joshua Freeman said. "That's the important thing."

There were more than 50 people at Monday's meeting.

"Going with Karegnondi is the best decision. We have no opinion on the economics of the decision," said Rebecca Fedewa, Flint River Watershed Coalition executive director. "If we start drawing water out of the Flint River, we are at risk of having to start releasing water from our reservoirs."

Genesee County Drain Commissioner Jeff Wright said the decision must still be approved by a county water and waste advisory board. The KWA board will then be reconvened for final approval.

Wright said construction could start in May.

State treasury officials still must approve the city council's move because Flint has an emergency financial manager. All expenditures over $50,000 must be approved.

Genesee County Drain Commissioner Jeff Wright has said that Flint would pay roughly $6.4 million annually for water service if it joined the pipeline – a nearly $4 million savings on what it pays Detroit for water.

Walling previously said the **city would save $19 million over eight years** by getting water from the KWA.

"It's a historic night in the City of Flint," Walling said. "The savings will be less with the capacity level approved by city council because there will be increased treatment cost for the river water."

He said the DEQ told the city it needed to get 18 million gallons per day or there would have to be additional work done at Flint's water plant.

Flint's water plant and the Flint River is currently the backup for Flint and Genesee County, however, the plant only operates four times per year.

Councilman Bryant Nolden was the lone dissenting vote.

"It was a protest vote," Nolden said. "I knew they had enough votes. I just feel like the Flint River is our best option."

Karengnondi is the regional water authority that includes Genesee, Lapeer and Sanilac counties and the cities of Flint and Lapeer.

****

Massive Karegnondi water project moving forward after state OKs pipeline tap into Lake Huron

Print

By Ron Fonger | rfonger1@mlive.com The Flint Journal
on October 01, 2012 at 7:00 AM, updated October 01, 2012 at 7:32 AM

0
Reddit
Email

Jeff Wright

GENESEE COUNTY, MI -- The state has approved a critical permit that allows the Karegnondi Water Authority to tap into Lake Huron with a 1.5-mile underground intake.

But water authority officials are still waiting for Flint to decide if it will be part of it.

Construction on the intake -- estimated to cost $27 million -- might mark the no-turning-back point for the massive project, and county Drain Commissioner Jeff Wright said other developments make it necessary Flint to make a final decision on its involvement in the next few months.

As control of Flint has shifted from mayors and city councils to emergency managers, the city has never committed to buying a minimum volume of water from the KWA.

"The only question at this point really is whether Flint is going to be a partner," said Wright, who has met with emergency financial manager Ed Kurtz and wants to resolve the question before Kurtz leaves his position -- something likely to happen soon after the November election.
"I'd say we have a couple of months here," Wright said of Flint's deadline. He described Kurtz as positive about the city's potential involvement but said, "There's still some questions Flint is working on with Detroit and Lansing."

Kurtz said he can't predict what will happen.

"We're looking at all our options," Kurtz said Friday.
County Commissioner Ted Henry, D-Clayton Twp., said regardless of the city's participation, the pipeline can be built by the remaining partners: Genesee, Sanilac and Lapeer counties and the city of Lapeer.

"The answer is yes," Henry said. "It will be a little different but it can go,"

The drain commissioner said construction of the pipeline intake, which has already been designed, is expected to start this year, after the job is put out for bids and borrowing is authorized by the county Board of Commissioners.

Building the intake will be specialized work, part of which must be done from a barge, and will require building tunnels below the sand bottom of the lake and laying an 84-inch pipe below the surface of the water.

In addition to the state Department of Environmental Quality permit to build the intake, the KWA also needs approval from the U.S. Army Corp of Engineers, Wright said.

A 45-day public comment period on the intake permit has passed and county officials said they expect the permit to be approved within two weeks.

Among other recent developments in the pipeline project:

- The Genesee County Water and Waste Advisory Committee, made up of elected and appointed city, township and village officials, has voted unanimously to set a date for accepting public bids to build the intake.
- The same committee has approved negotiating a contract with Wade Trim to act as program manager for the pipeline project once all necessary permits have been received.
- The county has revised its estimate on the cost of the intake portion of the pipeline from $40 million to $27 million.

Wright said his office is ready to negotiate a contract for Wade Trim to oversee the pipeline work, and said he expects six or seven engineering and surveying companies to assist in getting the job done.

County officials count those jobs among the 1,000 that they say will be created by building the pipeline.

"I want to use local (people) wherever possible and keep the money here," Wright said.

The drain commissioner said the selection of Wade Trim is important to the city of Flint because it signals the start of engineering, which includes decisions about the size of pumps, motors and pipes that will be used to build the pipeline.

Flint officials have options, including the use of Flint River water, or continuing to purchase water from the city of Detroit.

Wright said the only choice for the rest of the county is build the pipeline or sign a 30-year contract with Detroit.

A KWA study claims that continuing to buy water from Detroit will cost the region $2.1 billion during the next 25 years. By building a pipeline, that cost would be $1.9 billion over the same period, the KWA Web site says.

After the initial 25-year period, the cost of water would be less than 25 percent of the projected cost of water form Detroit, according to KWA.

Ron Fonger can be reached at 810-347-9963. You can also follow him on Twitter @ronfonger or subscribe on Facebook.

STATE OF MICHIGAN
DEPARTMENT OF TREASURY
LANSING

RICK SNYDER
GOVERNOR

NICK A. KHOURI
STATE TREASURER

Flint Water Timeline (09-28-15)

June 26, 2012 – Letter from Flint EM Mike Brown to DWSD for permission to begin blending Flint River water with treated water from DWSD. The letter indicates that the DEQ is supporting this option and its implementation would save the City between $2M and $3M annually.

September 20, 2012 – Letter from Flint EM Ed Kurtz to DWSD requesting written permission to implement the blending option. Approval is requested by October 1, 2012.

October 31, 2012 – Analysis by the Flint Finance Director suggests that the annual cost to purchase water from DWSD will steadily increase to $23M per year by fiscal year 2020.

November 2012 – Treasury retains Tucker, Young, Jackson and Tull (TYJT) to evaluate the KWA proposal to the City of Flint.

November 6, 2012 – Letter from Flint Emergency Manager Ed Kurtz to State Treasurer Dillon that a proposal from DWSD is expected but that the initial assessment is that switching to KWA is in the best interest of the City of Flint.

February 2013 – TYJT issues a final report to Treasury on the comparison between Karegnondi Water Authority (KWA) and DWSD. Analysis suggests that the KWA option is the cheaper option for the City of Flint.

March 2013 – DWSD contacts the City of Flint to begin direct negotiations on a contract extension. Multiple options are provided to the Flint Emergency Manager (EM) Ed Kurtz.

March 26, 2013 – The Flint City Council endorses joining KWA.

April 11, 2013 – State Treasurer Andy Dillon authorizes Flint EM Ed Kurtz, pursuant to Section 12(3) of P.A. 436 of 2012, to enter into a contract with KWA if a final offer from DWSD is either not received for rejected in good faith based upon specific objections.

April 15, 2013 – DWSD provides a best and final offer to the City of Flint. Analyses by Flint EM Ed Kurtz, the Department of Environmental Quality and Treasury's Office of Fiscal Responsibility independently conclude that the KWA option is cheaper for the City of Flint.

April 16, 2013 –Flint EM Ed Kurtz informs the State Treasurer that the City will join KWA. This decision was officially announced May 1, 2013.

April 17, 2013 – DWSD transmits a letter to Flint EM Ed Kurtz terminating service to the City of Flint, effective April 17, 2014.

June 2013 – Groundbreaking for the Karegnondi Water Authority. Flint also requests full time use of the Flint Water Treatment Plant with Flint River water as a source.

June 28, 2013 – Financing Contract between the City of Flint and KWA is approved. Effective September 1, 2013. This document was signed by EM Mike Brown.

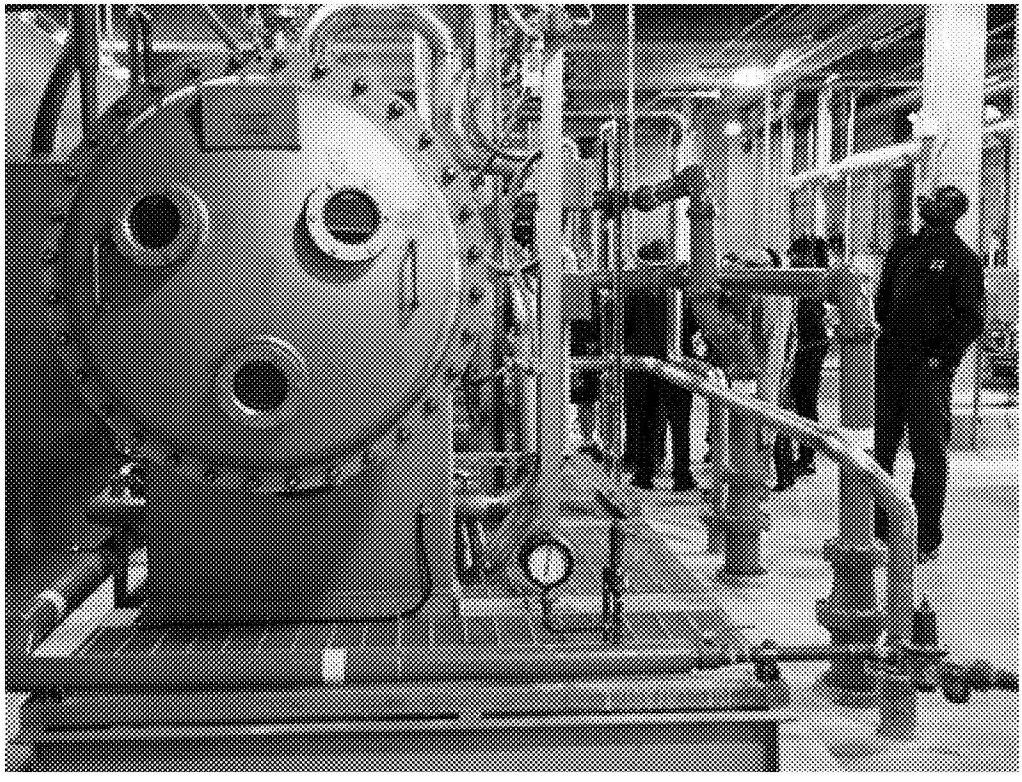
February 19, 2014 – The KWA Board of Directors adopts Resolution 2014-01, authorizing KWA to bond for water line construction on-behalf of the City of Flint.

April 17, 2014 – Water service from DWSD officially ends. The City of Flint also conducts two separate public forums regarding the use of Flint River water, upgrades to the City's water system and the overall cost of the switch to KWA.

April 25, 2014 – City conducts public event marking the transition to the use of Flint River water. DEQ information shows that transition complete by May 2015.

March 3, 2015 – Flint EM Jerry Ambrose provides a memorandum to Deputy State Treasurer Wayne Workman stating that a reconnection to DWSD will cost the City $10.1M/year and that water purchases could be as high as $1M/month.

March 12, 2015 – The City of Flint hires Veolia to conduct an operational evaluation of the City's water system.



From: Wurfel, Brad (DEQ)
Sent: Monday, September 28, 2015 9:59 PM
To: Saxton, Thomas (Treasury); Muchmore, Dennis (GOV)
Cc: Khouri, Nick (TREASURY); Workman, Wayne (TREASURY); Stanton, Terry A. (Treasury)
Subject: RE: KWA & Water Quality Chronology Timeline
Attachments: Draft Background, Timeline, Quadrant Diagram

Apparently our staff are triple-checking this document with a fine-toothed comb, but here's what we're working with.
b

From: Saxton, Thomas (Treasury)
Sent: Monday, September 28, 2015 5:57 PM
To: Muchmore, Dennis (GOV)
Cc: Khouri, Nick (TREASURY); Workman, Wayne (TREASURY); Stanton, Terry A. (Treasury); Wurfel, Brad (DEQ)
Subject: FW: KWA & Water Quality Chronology Timeline
Importance: High

Dennis -- attached is a first draft of a timeline. We will refine it tomorrow. We rec'd some info from Brad that we might need to incorporate. And Terry & Wayne's staff are still coming up with dates/events. Please let us know if this is what you had in mind.

Terry found these links; including an article when City Council approved the move/switch. There are some noteworthy quotes.

http://blog.mlive.com/newsnow_impact/print.html?entry=/2013/03/flint_city_council_approves_re.html

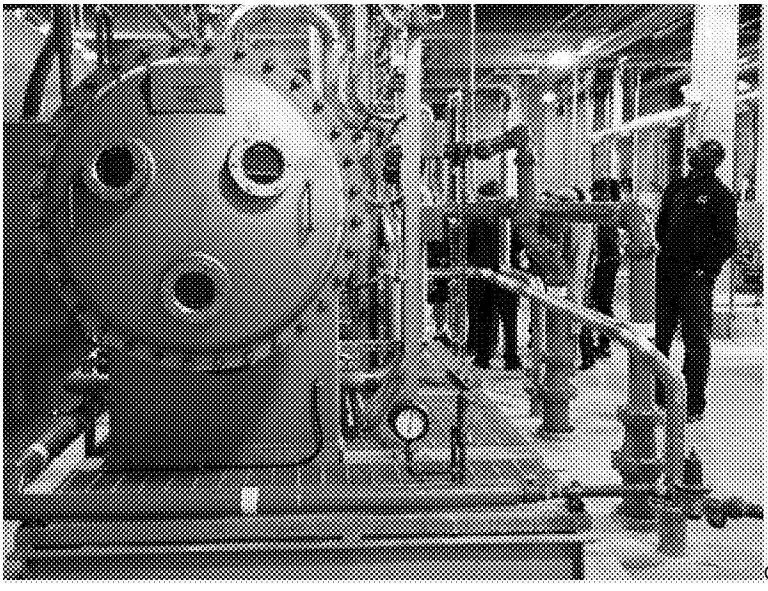
http://www.mlive.com/news/flint/index.ssf/2012/10/construction_permit_approved_s.html

Flint City Council approves resolution to buy water from Karegnondi, state approval still needed

Dominic Adams | dadams5@mlive.com By **Dominic Adams** | dadams5@mlive.com The Flint Journal

Follow on Twitter

on March 25, 2013 at 10:45 PM, updated March 26, 2013 at 1:28 AM



Guests get a look at an ozone generator at the Flint Water Treatment Plant during a public tour in this file photo. MLive.com File Photo

FLINT, MI – Flint is one step closer to getting its water from Lake Huron as part of the Karegnondi Water Authority.

The vote, **approved 7-1 at the Flint City Council meeting Monday, March 25**, may have set in motion the end to Flint paying to get its water from Detroit.

Under the proposal, Flint would get 16 million gallons per day of raw water from Lake Huron, pipe it to Flint for treatment and then sell it to customers throughout the city. Another 2 million gallons per day would come from the Flint River and will be treated in Flint.

Mayor Dayne Walling said the Department of Environmental Quality must approve Flint's getting 2 million gallons per day from the Flint River.

Tuesday's meeting followed weeks of discussions and special meetings surrounding the resolution.

"We got there," Councilman Joshua Freeman said. "That's the important thing."

There were more than 50 people at Monday's meeting.

"Going with Karegnondi is the best decision. We have no opinion on the economics of the decision," said Rebecca Fedewa, Flint River Watershed Coalition executive director. "If we start drawing water out of the Flint River, we are at risk of having to start releasing water from our reservoirs."

Genesee County Drain Commissioner Jeff Wright said the decision must still be approved by a county water and waste advisory board. The KWA board will then be reconvened for final approval.

Wright said construction could start in May.

State treasury officials still must approve the city council's move because Flint has an emergency financial manager. All expenditures over $50,000 must be approved.

Genesee County Drain Commissioner Jeff Wright has said that Flint would pay roughly $6.4 million annually for water service if it joined the pipeline – a nearly $4 million savings on what it pays Detroit for water.

Walling previously said the **city would save $19 million over eight years** by getting water from the KWA.

"It's a historic night in the City of Flint," Walling said. "The savings will be less with the capacity level approved by city council because there will be increased treatment cost for the river water."

He said the DEQ told the city it needed to get 18 million gallons per day or there would have to be additional work done at Flint's water plant.

Flint's water plant and the Flint River is currently the backup for Flint and Genesee County, however, the plant only operates four times per year.

Councilman Bryant Nolden was the lone dissenting vote.

"It was a protest vote," Nolden said. "I knew they had enough votes. I just feel like the Flint River is our best option."

Karengnondi is the regional water authority that includes Genesee, Lapeer and Sanilac counties and the cities of Flint and Lapeer.

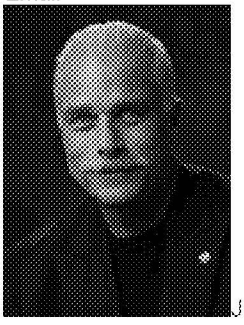
****

Massive Karegnondi water project moving forward after state OKs pipeline tap into Lake Huron

Print

By Ron Fonger | rfonger1@mlive.com The Flint Journal
on October 01, 2012 at 7:00 AM, updated October 01, 2012 at 7:32 AM

0
Reddit
Email


Jeff Wright

GENESEE COUNTY, MI -- The state has approved a critical permit that allows the Karegnondi Water Authority to tap into Lake Huron with a 1.5-mile underground intake.

But water authority officials are still waiting for Flint to decide if it will be part of it.

Construction on the intake -- estimated to cost $27 million -- might mark the no-turning-back point for the massive project, and county Drain Commissioner Jeff Wright said other developments make it necessary Flint to make a final decision on its involvement in the next few months.

As control of Flint has shifted from mayors and city councils to emergency managers, the city has never committed to buying a minimum volume of water from the KWA.

"The only question at this point really is whether Flint is going to be a partner," said Wright, who has met with emergency financial manager Ed Kurtz and wants to resolve the question before Kurtz leaves his position -- something likely to happen soon after the November election.
"I'd say we have a couple of months here," Wright said of Flint's deadline. He described Kurtz as positive about the city's potential involvement but said, "There's still some questions Flint is working on with Detroit and Lansing."

Kurtz said he can't predict what will happen.

"We're looking at all our options," Kurtz said Friday.
County Commissioner Ted Henry, D-Clayton Twp., said regardless of the city's participation, the pipeline can be built by the remaining partners: Genesee, Sanilac and Lapeer counties and the city of Lapeer.

"The answer is yes," Henry said. "It will be a little different but it can go,"

The drain commissioner said construction of the pipeline intake, which has already been designed, is expected to start this year, after the job is put out for bids and borrowing is authorized by the county Board of Commissioners.

Building the intake will be specialized work, part of which must be done from a barge, and will require building tunnels below the sand bottom of the lake and laying an 84-inch pipe below the surface of the water.

In addition to the state Department of Environmental Quality permit to build the intake, the KWA also needs approval from the U.S. Army Corp of Engineers, Wright said.

A 45-day public comment period on the intake permit has passed and county officials said they expect the permit to be approved within two weeks.

Among other recent developments in the pipeline project:

- The Genesee County Water and Waste Advisory Committee, made up of elected and appointed city, township and village officials, has voted unanimously to set a date for accepting public bids to build the intake.
- The same committee has approved negotiating a contract with Wade Trim to act as program manager for the pipeline project once all necessary permits have been received.
- The county has revised its estimate on the cost of the intake portion of the pipeline from $40 million to $27 million.

Wright said his office is ready to negotiate a contract for Wade Trim to oversee the pipeline work, and said he expects six or seven engineering and surveying companies to assist in getting the job done.

County officials count those jobs among the 1,000 that they say will be created by building the pipeline.

"I want to use local (people) wherever possible and keep the money here," Wright said.

The drain commissioner said the selection of Wade Trim is important to the city of Flint because it signals the start of engineering, which includes decisions about the size of pumps, motors and pipes that will be used to build the pipeline.

Flint officials have options, including the use of Flint River water, or continuing to purchase water from the city of Detroit.

Wright said the only choice for the rest of the county is build the pipeline or sign a 30-year contract with Detroit.

A KWA study claims that continuing to buy water from Detroit will cost the region $2.1 billion during the next 25 years. By building a pipeline, that cost would be $1.9 billion over the same period, the KWA Web site says.

After the initial 25-year period, the cost of water would be less than 25 percent of the projected cost of water form Detroit, according to KWA.

Ron Fonger can be reached at 810-347-9963. You can also follow him on Twitter @ronfonger or subscribe on Facebook.

From: Busch, Stephen (DEQ)
Sent: Wednesday, September 16, 2015 1:05 PM
Subject: Draft Background, Timeline, Quadrant Diagram
Attachments: Flint-QuadrantDiagram-Draft.xlsx; City of Flint Background-Draft.docx

Attached are drafts of the Quadrant Diagram and the Background-Timeline. I am now working on a draft FAQ.

Below are some additional general informational handouts available from EPA that we may want to consider including.

Understanding the Safe Drinking Water Act
http://water.epa.gov/lawsregs/guidance/sdwa/upload/2009_08_28_sdwa_fs_30ann_sdwa_web.pdf

Drinking Water Costs and Federal Funding
http://water.epa.gov/lawsregs/guidance/sdwa/upload/2009_08_28_sdwa_fs_30ann_dwsrf_web.pdf

Water Facts
http://water.epa.gov/lawsregs/guidance/sdwa/upload/2009_08_28_sdwa_fs_30ann_waterfacts_web.pdf

Public Access to Information and Public Involvement
http://water.epa.gov/lawsregs/guidance/sdwa/upload/2009_08_28_sdwa_fs_30ann_publicinvolve_web.pdf

Let me know if you have questions or need anything further.

Stephen Busch, P.E.
MDEQ Lansing District Coordinator
Office of Drinking Water and Municipal Assistance
Lansing and Jackson District Supervisor
517-643-2314
buschs@michigan.gov

DRAFT

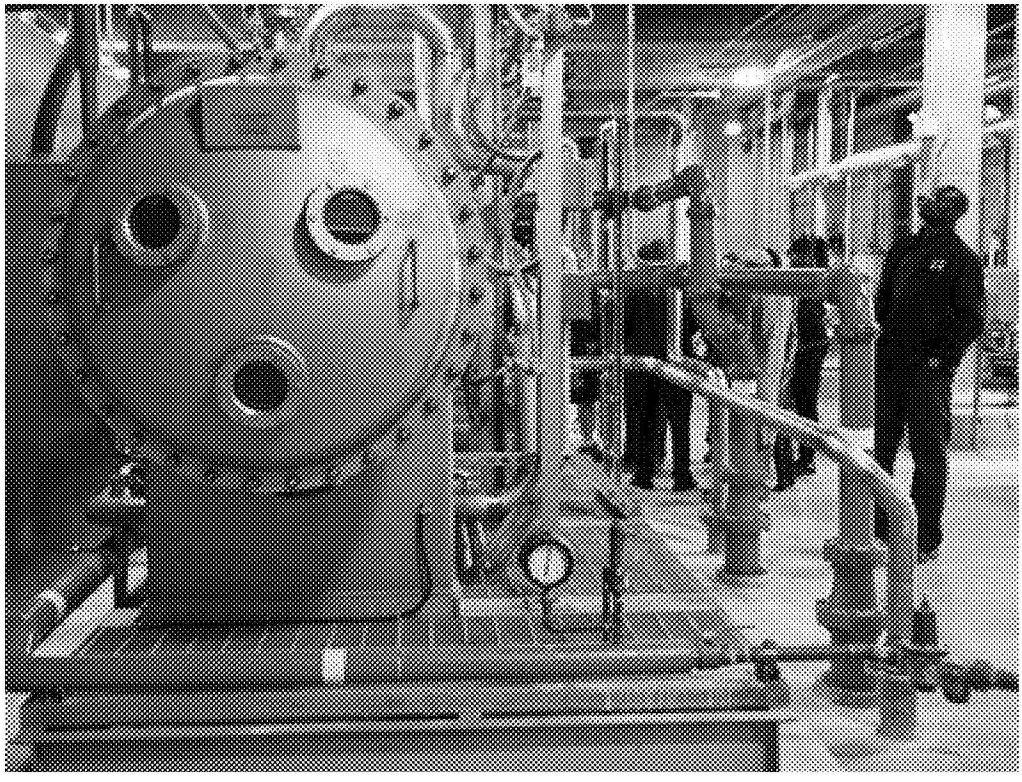
City of Flint Water System Background

Water Service Land Area 34 square miles
550+ miles of public water mains
250+ miles of water mains 75+ years old
70% of public water mains are unlined cast iron pipe
Service population 99,763
Service connections 32,900
Flint Water System established in 1883
Flint Water Treatment Plant #2 completed in 1954
Connection to Detroit Water and Sewerage Department 1967
Flint Water Treatment Plant #2 rehabilitated 1999 – 2005

City of Flint Timeline

December 2011 – Flint Emergency Financial Manager Appointed by Governor Snyder
April 2013 – Flint rejects DWSD contract and instead joins the Karegnondi Water Authority
April 2013 – DWSD sets termination of Flint water service contract to April 17, 2014
June 2013 – Karegnondi Water Authority groundbreaking
June 2013 – Flint Requests full time use of Flint Water Treatment Plant with Flint River
May 2014 – Flint stops purchasing DWSD. Starts using the City of Flint WTP and Flint River
August 2014 – Flint E.Coli Bacteria violation, Partial System Boil Water Advisory
August 2014 – Disinfection Byproducts, DEQ requests preemptive Operational Evaluation
September 2014 – Flint Total Coliform Bacteria violation, Partial System Boil Water Advisory
November 2014 – Disinfection Byproducts violation begins
January 2015 – 1st 6 month lead and copper sampling completed 100 samples, 90th% = 6 ppb
April 2015 – Flint Financial Emergency Ends
July 2015 – 2nd 6 month lead and copper sampling completed 69 samples, 90th% = 11 ppb
August 2015 – Disinfection Byproducts return to compliance
August 2015 – Flint required by DEQ to recommend and install Optimized Corrosion Control Treatment

January 2016 – Flint plans to have Optimized Corrosion Control Treatment operational
July 2016 – Planned connection to Karegnondi Water Authority (Lake Huron water to Flint WTP)



From: Duncan, Nancy (DTMB)
Sent: Wednesday, October 07, 2015 3:12 PM
To: Wyant, Dan (DEQ); Khouri, Nick (TREASURY); Saxton, Thomas (Treasury); Becker, Timothy (DHHS); Lyon, Nick (DHHS); Zimmer, Mike (LARA); Muchmore, Dennis (GOV)
Cc: Pohl, Allan (LARA); Hanley, Farah (DHHS); McNeely, Jacques (DTMB); Harkins, Chris (DTMB); Fosdick, David (DTMB); Kimmith, Dean (DTMB); Shoemaker, Lisa (DTMB); Harrison, Jennifer (DTMB); Roberts, John (DTMB); Starr, Scott (DTMB); Peruchietti, Cindy (Treasury); Pallone, Maggie (DEQ)
Subject: DRAFT #2 City of Flint Solution
Attachments: City of Flint Water Funding Solution.pdf; FW: letter from John O'Brien

Importance: High

Latest version of the Flint water issue. This is still a draft. Let me know if I have not accurately reflected your comments. NOTE: I have made no adjustments for Tom Saxton's latest e-mail on potential re-connect costs.

Assuming concurrence by the Governor, we are planning to transmit a formal supplemental request tomorrow.

Nancy Duncan
Deputy State Budget Director
517-373-0870

City of Flint Water - Funding Solution
State of Michigan Commitment

Agency	GF/GP	Gross	Comments
Filters:			
MSHDA		$225,000	Tentative
Health & Human Services	$1,016,000	$1,016,000	Towards 2nd round of filters. (AY15 work project)
Health & Human Services	$0	$1,000,000	Environmental Quality - State Restricted Settlement Funds provided to HHS Emergency Services local office for 1st round of filters.
Subtotal Filters:	**$1,016,000**	**$2,241,000**	
Reconnect to DSW:			**Reconnection costs ~$1.3m/month x 9 mos. to be shared by state & Flint**
Environmental Quality	$5,000,000	$6,000,000	DEQ State Restricted Settlement Fund of $1m; balance GF/GP
Subtotal Reconnect:	**$5,000,000**	**$6,000,000**	
Testing Costs:			
Environmental Quality	TBD	$1,000,000	Additional tests at state lab; cost per sample: $26
Subtotal Testing:	**$0**	**$1,000,000**	
Additional Agency Support:			
LARA	$0	$200,000	Support for plumbing inspectors to do schools (public and parochial) and health facilities (hospitals, Long Term Care, etc.).
Health & Human Services	TBD	TBD	Follow-up on children with elevated blood levels
Environmental Quality	TBD	$300,000	Home and school inspections.
Subtotal Additional Support:	**$0**	**$500,000**	
ALL TOTAL	**$6,016,000**	**$9,741,000**	

From: Saxton, Thomas (Treasury)
Sent: Wednesday, October 07, 2015 2:43 PM
Subject: FW: letter from John O'Brien
Attachments: SKM_C554e15100712200.pdf

Importance: High

Here is the letter from the Genesee Co Drain Commission. My interpretation of the contents would be their estimate is $13.2mm (vs the $12mm discussed this morning).

They included their contract with the City. Sec 5.7 references prevailing rates the City would be charged; that is different than the rates reflected in the $13.2mm. So that contract may need to be modified.

They also raise some other items (under *Procedure to Activate Supply* – p.3) that may have cost implications.

GENESEE COUNTY DRAIN COMMISSIONER'S OFFICE
- DIVISION OF -
WATER & WASTE SERVICES
G-4610 BEECHER ROAD - FLINT, MICHIGAN 48532-2617
PHONE (810) 732-7870 - FAX (810) 732-9773

JEFFREY WRIGHT
COMMISSIONER

MEMORANDUM

DATE: October 7, 2015

TO: Wayne Workman, Deputy Director, Treasury Department
Randall Byrne, State Administrative Manager

FROM: John F. O'Brien, P.E., Director

SUBJECT: Letter Dated September 30, 2015
Wolfson to Henderson

My staff and I have reviewed the letter referenced above and have prepared this quick memorandum to explain the economics concerns and ramifications of the temporary cessation of the Flint water treatment operations and the return to DWSD/GLWA supply.

This memorandum is broken down into three parts: economics, procedure and concerns.

Economics

Prior to April 2014, Flint held a water contract with DWSD. Flint also had the franchise rights to DWSD water for Genesee County. Therefore, Genesee County received DWSD water via the Flint. The water rate was calculated on that joint demand. In 2013-2014, the allocated cost was $25,303,062 or $738,066 per month plus $13.01 per mcf.

In 2013, DWSD terminated the Flint contract effective April 2014. The Flint chose to go to the Flint River as its source water until KWA water was made available. With the contract terminated, the franchise was terminated and the county had to go to DWSD for water because Flint could no longer supply DWSD water and the Flint River and the Flint water treatment plant does not have the capacity to serve both utilities.

DWSD established a new rate for GCDC that included significant non-contract and non-member charges to access the water. GCDC also acquired approximately 9 miles of water main pipe from the Flint. (The Detroit water meter at the county line between Lapeer and Genesee and the Flint water plant is approximately 11 miles into the county.) The pipeline is of no use to Flint under the Flint River supply or KWA supply scenario. As part of the purchase agreement, language was included for emergency reconnection for Flint to DWSD through this water line.

GCDC water rates with DWSD are as follows:

	Fixed Monthly	Commodity
July 2013 – April 2014 (Flint Contract)	$346,863	$13.01
May 2014 – June 2014	$423,400	$15.18
July 2014 – June 2015	$1,149,400	$3.89
July 2015 – Present	$900,000	$11.86

As you can see, the fixed monthly fees and commodity fees have had significant swings. This is because under the Flint contract, only 40% of revenue was fixed. GCDC went to 80% and are now 60% for the current billing period.

Upon reviewing DWSD's letter of September 2015, DWSD went back to the 2013-2014 rate, added 4% for FY 14-15 and added approximately 11.3% for FY 15-16. This would create a water revenue requirement for a combined Flint/Genesee supply. In Section 1 d) of the letter, they state they would subtract GCDC current payments from that volume, leaving the amount to be paid by Flint. Remember, GCDC is paying the non-contract/non-customer penalty charges.

The reported rate would be $662,100 monthly fixed and $8.93/mcf commodity. Based on 15 million gallons a day and a 30 day month, the monthly charge would be:

$662,100 + 15,000,000 gal x 30 days x 1 mcf / 7,480 gallons x $8.93 / mcf

$662,100 + $537,232.62 = $1,199,332.62 per month

Flint, over the last two seasons, has seen periods of water flow in the 20 to 25 mgd range due to water main breaks. This period has lasted 2 to 3 months. What is the additional cost if the monthly average was 21 mgd?

6,000,000 x 30 / 7,480 x $8.93 / mcf = $214,893.04 per month

The only way for DWSD to provide water to Flint is a common meter at the county line and flow through a county water main. As previously stated, the Flint and GCDC have a contract regarding this potential circumstance (see 5.7 attached).

Assuming the fixed rate by DWSD is correct, the cost with the current commodity would be:

$662,100 + 15,000,000 x 30 / 7,480 x $11.86 = $1,375,602.67

And again, with water main breaks, the additional monthly cost would be $285,401.00.

Paragraph 1 d) of the DWSD letter recognizes this issue in the last sentence: "Depending on how water is provided to the combined GCDC/Flint customer, alternative rate structures may be appropriate."

We can back into that alternate rate based on our knowledge of the DWSD rate structure. DWSD wants 60% of its revenue from fixed rate.

		Volume per month
GCDC fixed	$900,000	49,428 mcf
Flint fixed	$662,100	50,590 mcf
TOTAL	$1,562,100	100,018 mcf

Total commodity required is $1,041,400
Rate based on volume $10.41would be the alternative rate

The adjusted rate for Flint would then be:

50% of fixed rate plus $10.41 per mcf
$781,050 + $15,000,000 + 30 / 7,480 x $10.41 = $1,407,320

And again, at this rate, the water main break situation could add $250,508 per month

Therefore, Flint's expected bill for DWSD supplied water for a nine month period with 2 months of high flow would be $13,166,896.

Procedure to Activate Supply

1. Agreement with DWSD and common rate for joint GCDC/Flint water supply would be required. Agreement needs to include separate billings to Flint and GCDC, Flint to pay directly to DWSD based on meter readings at Baxter and Potter and Station 2 on Flint plant site. GCDC makes no representation to the water quality - that is between Flint and DWSD. The agreement needs a termination transfer protocol for Flint exiting and GCDC remaining.

2. Separate agreement with Flint: back up supply was anticipated on an emergency basis. Nine months to a year of service requires a more detailed agreement. Water outage due to line break and cost to repair, etc. The agreement needs a termination clause if Flint is still on DWSD when GCDC is ready to turn on its water treatment plant in the fall of 2017.

3. The 72-inch line will be required to be reactivated. This will require flushing, pressure testing, and BAC-T sampling.

4. Station 2 meter needs to be calibrated and GCDC will need access to control the valves and read the meters.

5. Flint needs to reactivate the Dort Reservoir.

6. Flint should perform a significant water flush of the distribution system just prior to the switch over.

Flint Distribution System

The TTHM and lead issues here arising due to the water quality at the residential tap: Everyone agrees that the water leaving the water plant is clean, clear, and lead-free. At the residential tap, it has been shown to contain lead, is often brown in color, and has an odor. These are all indications of problems in the distribution system. The distribution system was built for a population of 250,000 people and major industrial use. Current population is below 100,000 and there is limited industrial use.

If Flint does not continue to make improvements/modifications to the distribution system, the problem at the residential tap will continue.

Concerns

Will the lead sampling protocols change based on Flint's switch back to DWSD?

What happens to water treatment plant personnel during this 9-month period? Will they be laid off or carried as an additional expense?

When Flint switches to KWA, will the staff be capable of treating the water or will the learning curve begin again?

What is the Desired Outcome?

It is the understanding of GCDC that all of the current samples that have been compiled at the Flint Water Treatment Plant have all tested within EPA and MDEQ guidelines. The emergency appears to be in the distribution of the water, which includes lead service leads to several residences located throughout Flint and not in the treatment of the water. As the treated water leaving the Flint Water Treatment Plant is within EPA and MDEQ guidelines, GCDC is confused as to what the emergency is at this time or why Flint would need to purchase water from DWSD. *The quality of the water leaving the Flint Water Treatment Plant is as safe to drink as the water that would be transmitted by DWSD to Flint.*

Given the facts as they have been provided to GCDC, if DWSD begins to supply Flint with water via GCDC, the elevated lead levels will not immediately disappear and Flint will be paying an additional million dollars plus a month over what it is currently paying to provide the same clean potable water to its residents. Additionally, by Flint receiving water from DWSD via GCDC, Flint will not be performing corrosion control measures on the DWSD treated water. This is important because once Flint begins to treat the raw water provided by KWA, the lead issue may resurface and continue until the corrosion control measures that will need to be restarted take effect, which GCDC estimates may take up to eight (8) months to establish the necessary film to separate the distribution system from the supply water.

The DWSD letter purposely pits Flint against Genesee County customers by offering a lower rate to Flint than is currently being offered to GCDC. And the delivery point is the same.

These are our quick thoughts on the matter. As time progresses, we will have more time to understand the issues and most likely additional concerns will present themselves.

Should you have any questions, do not hesitate to contact this office at your convenience.

WATER TRANSMISSION MAIN

ACQUISITION AGREEMENT

BY AND BETWEEN

CITY OF FLINT

AND THE

GENESEE COUNTY DRAIN COMMISSIONER AS COUNTY AGENCY

DATED MAY 30, 2014

approval, clearance, waiver, order or authorization of any person, organization, or entity; and (iii) do not conflict with, or result in any breach of, or default or loss of any right under (or an event or circumstance that, with notice or the lapse of time, or both, would result in a default), or the creation of any encumbrance pursuant to, or cause or permit the acceleration prior to maturity of any amounts owing under any indenture, mortgage, deed of trust, lease or other agreement to which the County Agency is a party, which failure, violation, conflict or breach would, in the aggregate, materially hinder or impair the consummation of the transactions contemplated by this Agreement.

5.4 Litigation. As of the Execution Date, there is no action, suit or proceeding pending or threatened against or affecting the County Agency before any governmental entity in which there is a reasonable possibility of an adverse decision which could have a material adverse effect upon the ability of the County Agency to perform its obligations under this Agreement or which in any manner questions the validity of this Agreement.

5.5 Due Diligence and Inspection. The County Agency acknowledges that it is being afforded the opportunity to conduct due diligence and investigation with respect to the transaction contemplated by this Agreement. The County Agency represents and warrants that it has conducted any and all such legal, factual, and other examinations, inquiries, investigations, and inspections, including conducting any tests, studies and examinations, that it, in its sole discretion, has determined necessary to complete such due diligence inspection to determine that the subject matter of this Agreement is suitable for the County Agency's intended use.

5.6 Environmental Matters. The County Agency represents and warrants that it has conducted any and all such legal, factual, and other examinations, inquiries, investigations, and inspections, including conducting any tests, studies and examinations, that it, in its sole discretion, has determined necessary to complete such due diligence inspection to have full knowledge of the environmental condition of the subject matter of this Agreement. County Agency shall enter into this Agreement subject to any and all environmental conditions present upon the subject matter of this Agreement.

5.7 Emergency Water Supply. The County Agency warrants that it will provide, to the extent the Detroit Water and Sewerage Department has available capacity treated water through the water main that is the subject matter of this Agreement in an emergency situation to Flint until such time as the Karegnondi Water Authority Water Transmission Pipeline construction is completed (which is estimated to be completed by May 2017) and the Karegnondi Water Authority is providing raw water to its customers.

The emergency supply of treated water to the Flint by the County Agency during the construction of the Karegnondi Water Authority Water Transmission Pipeline shall be at the prevailing rate and any additional charges, fees, special charges, and penalties, as billed by the Detroit Water and Sewerage Department to the County Agency.

If Flint shall need an emergency water supply after the Karegnondi Water Authority Water Transmission Pipeline has been installed and is operational, the County Agency will provide, to the extent the County Agency has available capacity, treated water through the water main that is the subject matter of this Agreement in an emergency situation to Flint. The emergency supply of treated water to Flint by the County Agency after the Water

Transmission Pipeline has been installed and is operational, shall be at the prevailing rate and any additional charges, fees, special charges, and penalties, if applicable, as billed by the Detroit Water and Sewerage Department to the County Agency.

ARTICLE 6
COVENANTS OF FLINT

Flint covenants and agrees with the County Agency as follows:

6.1 Operation and Maintenance of the Water Main until Closing. Between the Execution Date of this Agreement and the Effective Date of this Agreement, Flint shall:

a. Operate the Water Main in the ordinary course of business; and

b. Maintain all books and records relating to the operation of the Water Main in the ordinary course of business; and

c. Fix any known breaks or leaks in the Water Main, except those set forth on Exhibit F; and

e. Promptly notify the County Agency of any emergency or other change in the normal course relating to the Water Main (or communications indicating that the same may be contemplated.

6.2 Litigation and Claims. Flint shall promptly inform the County Agency in writing of any Claims of which Flint is or becomes aware that are or might reasonably be expected to become the subject of litigation affecting the Water Main or the transactions contemplated by this Agreement.

6.3 Notice of Changes. Flint shall inform the County Agency in writing if it becomes aware that any representation or warranty made by Flint in this Agreement has ceased to be accurate or if Flint becomes aware of the occurrence of any breach of any covenant or other agreement required by this Agreement to be performed or complied with by Flint.

ARTICLE 7
COVENANTS OF THE COUNTY AGENCY

The County Agency hereby covenants and agrees with Flint as follows:

7.1 Cooperation. Subject to the terms and conditions of this Agreement, the County Agency shall cooperate with Flint to use its best efforts to secure all necessary consents, approvals, authorizations, exemptions and waivers from all persons and entities as shall be requested by Flint or required to be obtained in order to consummate the transactions contemplated hereby.

7.2 Litigation and Claims. The County Agency shall promptly inform Flint in writing of any claims (or communications indicating that the same may be contemplated) of which the County Agency is or becomes aware that are or might reasonably be expected

From: Workman, Wayne (TREASURY)
Sent: Thursday, October 22, 2015 9:55 AM
To: Muchmore, Dennis (GOV); Saxton, Thomas (Treasury)
Subject: RE: state money for detroit water

I also have a voice mail from Rep Neeley's office to call ASAP. Sure it is the same topic

Wayne L. Workman
Deputy State Treasurer
Michigan Department of Treasury

From: Muchmore, Dennis (GOV)
Sent: Thursday, October 22, 2015 9:48 AM
To: Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>; Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>
Subject: FW: state money for detroit water
Importance: High

Natasha Henderson is becoming a liability.

From: Wurfel, Sara (GOV)
Sent: Thursday, October 22, 2015 9:35 AM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>
Cc: Murray, David (GOV) <MurrayD1@michigan.gov>
Subject: FW: state money for detroit water
Importance: High

Please see below.

No good deed goes unpunished. This looks like may be next big issue.

I thought GLWA-DWSD was NOT going to require the entire sum all up front?

From: Ronald Fonger [mailto:RFONGER1@mlive.com]
Sent: Thursday, October 22, 2015 9:28 AM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>
Subject: state money for detroit water

Sara:
I was at a City Council meeting last night when Flint City Administrator Natasha Henderson said the state has only wired Flint $2 million of the $6 million approved by the state Legislature.
She said the city has been told it will receive an additional $2 million in January and another $2 million in April.

Henderson said she's asked that the money be sent immediately because the city was required to pay Detroit the entire $12 million upfront, before the water was reconnected, and its water and sewer fund balance has dropped significantly as a result.
Several council members also spoke about this, and Council President Josh Freeman called the payment plant "beyond ridiculous" given the city's financial position.
Is there someone who can talk to us about this?
Thanks,

Ron Fonger
MLive Media Group
Reporter

mobile [redacted]
email rfonger1@mlive.com
address 540 S. Saginaw St. #101, Flint MI 48502

From: Wyant, Dan (DEQ)
Sent: Thursday, October 22, 2015 5:01 PM
To: Muchmore, Dennis (GOV)
Subject: RE: 2015-10-22 Flint Drinking Water Action Plan Update - FOIA EXEMPT AND ATTORNEY-CLIENT PRIVILEGED

I haven't outside of weekly phone calls to the both.

Dan Wyant, Director
Department of Environmental Quality
517-284-6700 (New Number)

From: Muchmore, Dennis (GOV)
Sent: Thursday, October 22, 2015 4:41 PM
To: Wyant, Dan (DEQ); Scott, Allison (GOV); Agen, Jarrod (GOV); Emmitt, Beth (GOV); Bedan, Morgan (GOV)
Cc: Dickinson, Sarah (GOV)
Subject: RE: 2015-10-22 Flint Drinking Water Action Plan Update - FOIA EXEMPT AND ATTORNEY-CLIENT PRIVILEGED

Are we sharing any of this with Ananich and Neely?

From: Wyant, Dan (DEQ)
Sent: Thursday, October 22, 2015 12:39 PM
To: Scott, Allison (GOV) <scotta12@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Emmitt, Beth (GOV) <emmittb@michigan.gov>; Bedan, Morgan (GOV) <BedanM@michigan.gov>
Cc: Wyant, Dan (DEQ) <WyantD@michigan.gov>; Dickinson, Sarah (GOV) <DickinsonS@michigan.gov>
Subject: 2015-10-22 Flint Drinking Water Action Plan Update - FOIA EXEMPT AND ATTORNEY-CLIENT PRIVILEGED

Dear Governor's Office:

Please provide the following to the Governor as a part of his daily briefing packet. If you have any questions, please let us know.

1. Action Steps Updated Document for the week of October 19-23, 2015
2. Flint Drinking Water Action Plan Update

Thank you.

Dan Wyant
Director

From: Wyant, Dan (DEQ)
Sent: Friday, October 23, 2015 12:56 PM
To: Muchmore, Dennis (GOV)
Subject: Re: 2015-10-23 Flint Drinking Water Action Plan Update - FOIA EXEMPT AND ATTORNEY-CLIENT PRIVILEGED

We knew this was going to be the tough week. We hope we have turned the corner. Headed in right direction.

Sent from my iPhone

On Oct 23, 2015, at 12:10 PM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:

> How are you doing at the end of this week? You ok? I'm worried about you a little.
>
> ---
>
> **From:** Wyant, Dan (DEQ)
> **Sent:** Friday, October 23, 2015 12:07 PM
> **To:** Scott, Allison (GOV) <scotta12@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Emmitt, Beth (GOV) <emmittb@michigan.gov>; Bedan, Morgan (GOV) <BedanM@michigan.gov>
> **Cc:** Wyant, Dan (DEQ) <WyantD@michigan.gov>; Dickinson, Sarah (GOV) <DickinsonS@michigan.gov>; Edgerton, Shelly (LARA) <EdgertonS1@michigan.gov>; Dykema, Linda D. (DHHS) <DykemaL@michigan.gov>
> **Subject:** 2015-10-23 Flint Drinking Water Action Plan Update - FOIA EXEMPT AND ATTORNEY-CLIENT PRIVILEGED
>
> Dear Governor's Office:
>
> Please provide the following to the Governor as a part of his daily briefing packet. If you have any questions, please let us know.
>
> 1. Action Steps Updated Document for the week of October 19-23, 2015
> 2. Flint Drinking Water Action Plan Update
>
> Thank you.
>
> Dan Wyant
> Director
>
> P.S. We are adding Shelly Edgerton, DLARA and Linda Dykema, DHHS as a cc to these daily e-mail communications in the future.

From: Hollins, Harvey (GOV)
Sent: Wednesday, April 08, 2015 11:58 AM
To: Muchmore, Dennis (GOV)
Subject: RE: Fyi

That's unfortunate because he is one of the most reasonable voices in Flint on this issue.

From: Muchmore, Dennis (GOV)
Sent: Wednesday, April 08, 2015 11:52 AM
To: Hollins, Harvey (GOV)
Subject: FW: Fyi

Well, that didn't help at all. So much for Harris on the RTAB.

From: Workman, Wayne (TREASURY)
Sent: Wednesday, April 08, 2015 11:46 AM
To: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV)
Cc: Saxton, Thomas (Treasury)
Subject: Fwd: Fyi..I had hoped we would be announcing our action plan this week ,ie going forth with the GAC. Will see what we can do to get a release out...

Assume you saw this.

Sent from my iPhone

Begin forwarded message:

> **From:** Gerald Ambrose <gambrose@cityofflint.com>
> **Date:** April 7, 2015 at 8:27:36 PM EDT
> **To:** "Wayne Workman (TREASURY)" <workmanw@michigan.gov>, Edward Koryzno <koryznoE@michigan.gov>, Randy Burn <ByrneR1@michigan.gov>
> **Subject: Fyi..I had hoped we would be announcing our action plan this week ,ie going forth with the GAC. Will see what we can do to get a release out...**
>
> **Flint pastors plan news conference on 'lack of progress' on Flint water issues**
>
> FLINT, MI -- Concerned Pastors for Social Action plan to speak out on a "lack of progress" on Flint water issues Wednesday, April 8. The Rev. Alfred Harris, president of the Concerned Pastors, said his group will detail its concerns at the 1:30 p.m. news conference at City Hal Read More http://www.mlive.com/news/flint/index.ssf/2015/04/flint_pastors_plan_news_confer.html

From: Workman, Wayne (TREASURY)
Sent: Wednesday, February 04, 2015 1:52 PM
To: Saxton, Thomas (Treasury); Stanton, Terry A. (Treasury); Muchmore, Dennis (GOV); Clement, Elizabeth (GOV)
Subject: FW: Water Article

Assume you all saw this regarding Flint today

-----Original Message-----
From: Wildman, Michele (MSHDA)
Sent: Wednesday, February 04, 2015 1:41 PM
To: Workman, Wayne (TREASURY)
Subject: Water Article

The article I was referring to...

http://www.mlive.com/news/flint/index.ssf/2015/02/gisd_shuts_off_flint_water_for.html#incart_story_package

Sent from my iPad

From: Workman, Wayne (TREASURY)
Sent: Wednesday, April 08, 2015 6:40 PM
To: Muchmore, Dennis (GOV)
Cc: Saxton, Thomas (Treasury); Stanton, Terry A. (Treasury); Gelisse, Ashley (TREASURY); Clement, Elizabeth (GOV); Hollins, Harvey (GOV)
Subject: Re: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water

It is timely to figure that out, because what they is not affordable and they are ignoring the new improvements announced today.

Sent from my iPad

On Apr 8, 2015, at 5:27 PM, "Muchmore, Dennis (GOV)" <muchmored@michigan.gov> wrote:

> Why not, we haven't anything else to do except spend our time chasing our tail. This issue isn't going to go away until we do some serious comms work in the city.
>
> ---
>
> **From:** Workman, Wayne (TREASURY)
> **Sent:** Wednesday, April 08, 2015 5:13 PM
> **To:** Saxton, Thomas (Treasury); Stanton, Terry A. (Treasury); Gelisse, Ashley (TREASURY); Muchmore, Dennis (GOV); Clement, Elizabeth (GOV)
> **Subject:** Fwd: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water
>
> FYI
>
> Sent from my iPhone
>
> Begin forwarded message:
>
> > **From:** "Koryzno, Edward (Treasury)" <KoryznoE@michigan.gov>
> > **Date:** April 8, 2015 at 4:35:47 PM EDT
> > **To:** "Workman, Wayne (TREASURY)" <WorkmanW@michigan.gov>, "Gelisse, Ashley (TREASURY)" <GelisseA@michigan.gov>
> > **Subject: FW: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water**
> >
> > FYI
> >
> >
> > Edward B. Koryzno, Jr. | Director - Bureau of Local Government Services
> > State of Michigan | 430 W. Allegan Street, 3rd Floor | Lansing, MI 48922
> > (517) 373-4415 | (517) 373-0633 (fax)
> > KoryznoE@michigan.gov
> >
> > Think Green! Don't print this e-mail unless you need to.
> >
> > *CONFIDENTIALITY NOTICE: This e-mail, and any attachments, is for the sole use of the intended recipient(s) and may contain information that is confidential and protected from disclosure under the law. Any unauthorized review, use, disclosure,*

or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail, and delete/destroy all copies of the original message and attachments.
Thank you

From: Widigan, Robert (TREASURY)
Sent: Wednesday, April 08, 2015 4:12 PM
To: Koryzno, Edward (Treasury); Byrne, Randall (Treasury); Cline, Richard (Treasury); Vandegrift, Drew (TREASURY)
Subject: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water
Importance: Low

FYI – http://videos.mlive.com/mlive/2015/04/flint_pastors_warn_theyll_go_t.html

Robert Widigan | Office of Fiscal Responsibility
State of Michigan | Department of Treasury
430 W. Allegan Street | Lansing, MI 48922
Office (517) 335-2130 | Cell [redacted]
WidiganR@michigan.gov

From: Hollins, Harvey (GOV)
Sent: Thursday, April 09, 2015 4:52 PM
To: Muchmore, Dennis (GOV)
Subject: RE: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water

Follow Up Flag: Follow up
Flag Status: Flagged

Chief—if we rely on the current communications folks in Flint either within Treasury or in the EM's office, we're going to get the same outcome. I recommend retaining a PR firm.

From: Muchmore, Dennis (GOV)
Sent: Thursday, April 09, 2015 4:47 PM
To: Workman, Wayne (TREASURY)
Cc: Saxton, Thomas (Treasury); Stanton, Terry A. (Treasury); Gelisse, Ashley (TREASURY); Clement, Elizabeth (GOV); Hollins, Harvey (GOV)
Subject: RE: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water

We need to up our comms efforts in Flint area.
How would we ever afford this now?

From: Workman, Wayne (TREASURY)
Sent: Wednesday, April 08, 2015 6:40 PM
To: Muchmore, Dennis (GOV)
Cc: Saxton, Thomas (Treasury); Stanton, Terry A. (Treasury); Gelisse, Ashley (TREASURY); Clement, Elizabeth (GOV); Hollins, Harvey (GOV)
Subject: Re: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water

It is timely to figure that out, because what they is not affordable and they are ignoring the new improvements announced today.

Sent from my iPad

On Apr 8, 2015, at 5:27 PM, "Muchmore, Dennis (GOV)" <muchmored@michigan.gov> wrote:

> Why not, we haven't anything else to do except spend our time chasing our tail. This issue isn't going to go away until we do some serious comms work in the city.
>
> ---
>
> **From:** Workman, Wayne (TREASURY)
> **Sent:** Wednesday, April 08, 2015 5:13 PM
> **To:** Saxton, Thomas (Treasury); Stanton, Terry A. (Treasury); Gelisse, Ashley (TREASURY); Muchmore, Dennis (GOV); Clement, Elizabeth (GOV)
> **Subject:** Fwd: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water
>
> FYI
>
> Sent from my iPhone
>
> Begin forwarded message:

From: "Koryzno, Edward (Treasury)" <KoryznoE@michigan.gov>
Date: April 8, 2015 at 4:35:47 PM EDT
To: "Workman, Wayne (TREASURY)" <WorkmanW@michigan.gov>, "Gelisse, Ashley (TREASURY)" <GelisseA@michigan.gov>
Subject: FW: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water

FYI

Edward B. Koryzno, Jr. | Director - Bureau of Local Government Services
State of Michigan | 430 W. Allegan Street, 3rd Floor | Lansing, MI 48922
(517) 373-4415 | (517) 373-0633 (fax)
KoryznoE@michigan.gov

Think Green! Don't print this e-mail unless you need to.

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, is for the sole use of the intended recipient(s) and may contain information that is confidential and protected from disclosure under the law. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail, and delete/destroy all copies of the original message and attachments.
Thank you

From: Widigan, Robert (TREASURY)
Sent: Wednesday, April 08, 2015 4:12 PM
To: Koryzno, Edward (Treasury); Byrne, Randall (Treasury); Cline, Richard (Treasury); Vandegrift, Drew (TREASURY)
Subject: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water
Importance: Low

FYI – http://videos.mlive.com/mlive/2015/04/flint_pastors_warn_theyll_go_t.html

Robert Widigan | Office of Fiscal Responsibility
State of Michigan | Department of Treasury
430 W. Allegan Street | Lansing, MI 48922
Office (517) 335-2130 | Cell [redacted]
WidiganR@michigan.gov

From: Hollins, Harvey (GOV)
Sent: Thursday, April 09, 2015 6:35 PM
To: Muchmore, Dennis (GOV)
Subject: Re: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water

Follow Up Flag: Follow up
Flag Status: Flagged

The city has the $2m they could use. $75k would get them a good firm for several months to help weather this.

Best,
Harvey

On Apr 9, 2015, at 5:33 PM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:

> I'll work on it. I have no money to do that but I have an idea how to break the chain.
>
> ---
>
> **From:** Hollins, Harvey (GOV)
> **Sent:** Thursday, April 09, 2015 4:52 PM
> **To:** Muchmore, Dennis (GOV)
> **Subject:** RE: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water
>
> Chief—if we rely on the current communications folks in Flint either within Treasury or in the EM's office, we're going to get the same outcome. I recommend retaining a PR firm.
>
> ---
>
> **From:** Muchmore, Dennis (GOV)
> **Sent:** Thursday, April 09, 2015 4:47 PM
> **To:** Workman, Wayne (TREASURY)
> **Cc:** Saxton, Thomas (Treasury); Stanton, Terry A. (Treasury); Gelisse, Ashley (TREASURY); Clement, Elizabeth (GOV); Hollins, Harvey (GOV)
> **Subject:** RE: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water
>
> We need to up our comms efforts in Flint area.
> How would we ever afford this now?
>
> ---
>
> **From:** Workman, Wayne (TREASURY)
> **Sent:** Wednesday, April 08, 2015 6:40 PM
> **To:** Muchmore, Dennis (GOV)
> **Cc:** Saxton, Thomas (Treasury); Stanton, Terry A. (Treasury); Gelisse, Ashley (TREASURY); Clement, Elizabeth (GOV); Hollins, Harvey (GOV)
> **Subject:** Re: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water
>
> It is timely to figure that out, because what they is not affordable and they are ignoring the new improvements announced today.
>
> Sent from my iPad
>
> On Apr 8, 2015, at 5:27 PM, "Muchmore, Dennis (GOV)" <muchmored@michigan.gov> wrote:

Why not, we haven't anything else to do except spend our time chasing our tail. This issue isn't going to go away until we do some serious comms work in the city.

From: Workman, Wayne (TREASURY)
Sent: Wednesday, April 08, 2015 5:13 PM
To: Saxton, Thomas (Treasury); Stanton, Terry A. (Treasury); Gelisse, Ashley (TREASURY); Muchmore, Dennis (GOV); Clement, Elizabeth (GOV)
Subject: Fwd: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water

FYI

Sent from my iPhone

Begin forwarded message:

> **From:** "Koryzno, Edward (Treasury)" <KoryznoE@michigan.gov>
> **Date:** April 8, 2015 at 4:35:47 PM EDT
> **To:** "Workman, Wayne (TREASURY)" <WorkmanW@michigan.gov>, "Gelisse, Ashley (TREASURY)" <GelisseA@michigan.gov>
> **Subject: FW: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water**
>
> FYI
>
> <image001.jpg>
> Edward B. Koryzno, Jr. | Director - Bureau of Local Government Services
> State of Michigan | 430 W. Allegan Street, 3rd Floor | Lansing, MI 48922
> (517) 373-4415 | (517) 373-0633 (fax)
> KoryznoE@michigan.gov
>
> Think Green! Don't print this e-mail unless you need to.
>
> *CONFIDENTIALITY NOTICE: This e-mail, and any attachments, is for the sole use of the intended recipient(s) and may contain information that is confidential and protected from disclosure under the law. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail, and delete/destroy all copies of the original message and attachments.*
> *Thank you*

From: Widigan, Robert (TREASURY)
Sent: Wednesday, April 08, 2015 4:12 PM
To: Koryzno, Edward (Treasury); Byrne, Randall (Treasury); Cline, Richard (Treasury); Vandegrift, Drew (TREASURY)
Subject: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water
Importance: Low

FYI –
http://videos.mlive.com/mlive/2015/04/flint_pastors_warn_theyll_go_t.html

Robert Widigan | Office of Fiscal Responsibility
State of Michigan | Department of Treasury
430 W. Allegan Street | Lansing, MI 48922
Office (517) 335-2130 | Cell [redacted]
WidiganR@michigan.gov

From: Workman, Wayne (TREASURY)
Sent: Tuesday, April 21, 2015 10:16 AM
To: Barton, John (Treasury); Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Hollins, Harvey (GOV); Barton, John (Treasury); Byrne, Randall (Treasury); Cline, Richard (Treasury)
Subject: FW: U.S. EPA says Flint's water loans 'not eligible for forgiveness'

-----Original Message-----
From: Stanton, Terry A. (Treasury)
Sent: Tuesday, April 21, 2015 10:08 AM
To: Saxton, Thomas (Treasury); Workman, Wayne (TREASURY); Koryzno, Edward (Treasury)
Cc: Sampson, Jeremy (TREASURY)
Subject: U.S. EPA says Flint's water loans 'not eligible for forgiveness'

http://www.mlive.com/news/flint/index.ssf/2015/04/us_epa_says_flints_water_loans.html#incart_email_mobile

TS

From: Saxton, Thomas (Treasury)
Sent: Friday, January 30, 2015 4:35 PM
To: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV)
Cc: Stanton, Terry A. (Treasury)
Subject: Flint water

We (Treasury) think we can restructure the drinking water loans the City currently has. Essentially this means deferring the upcoming April & Oct principle payts. [We can't forgive their loans nor extend the maturities].

I am rounding the numbers… originally they had 4 loans totally $40+mm. The current amt outstanding is about $20mm. The cash benefit of deferring the principle payts is approx. $2.1mm.

I had talked to Jerry A. re where they would use the money. One possibility would be the consultant they are looking hire. The other is to pay for that pipeline replacement he talked about.

I talked to Jim Sygo @ DEQ to see if they had any issues because they are responsible for the program side. He checked with his staff. They had some concerns about opening up 'Pandora's Box' i.e., other distress communities would want to do this. But at the end of the day I think they
would ok the deferral particularly if you (the Gov's office) supported it. Jim had left me a v-mail so I can get back to him Monday to really confirm.

From: Saxton, Thomas (Treasury)
Sent: Tuesday, February 03, 2015 11:47 AM
To: Muchmore, Dennis (GOV)
Cc: Clement, Elizabeth (GOV); Stanton, Terry A. (Treasury)
Subject: RE: Flint water

No, we are not extending the maturity. We are simply making them pay more in a later timeframe.

From: Muchmore, Dennis (GOV)
Sent: Tuesday, February 03, 2015 9:25 AM
To: Saxton, Thomas (Treasury)
Cc: Clement, Elizabeth (GOV); Stanton, Terry A. (Treasury)
Subject: Re: Flint water

Sounds like the best solution. In essence you are extending the maturity because it extends the debt repayment schedule.

On Jan 30, 2015, at 4:43 PM, Saxton, Thomas (Treasury) <SaxtonT@michigan.gov> wrote:

> We (Treasury) think we can restructure the drinking water loans the City currently has. Essentially this means deferring the upcoming April & Oct principle payts. [We can't forgive their loans nor extend the maturities].
>
> I am rounding the numbers… originally they had 4 loans totally $40+mm. The current amt outstanding is about $20mm. The cash benefit of deferring the principle payts is approx. $2.1mm.
>
> I had talked to Jerry A. re where they would use the money. One possibility would be the consultant they are looking hire. The other is to pay for that pipeline replacement he talked about.
>
> I talked to Jim Sygo @ DEQ to see if they had any issues because they are responsible for the program side. He checked with his staff. They had some concerns about opening up 'Pandora's Box' i.e., other distress communities would want to do this. But at the end of the day I think they would ok the deferral particularly if you (the Gov's office) supported it. Jim had left me a v-mail so I can get back to him Monday to really confirm.

From: Murray, David (GOV)
Sent: Friday, January 30, 2015 1:36 PM
To: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV)
Subject: Mayor Walling letter
Attachments: flintwater_oped_final1.docx; Mayor Walling letter.docx

Here is the letter, and the guest column from the Mayor to MLive.

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397, office
[redacted] mobile
Twitter:@michigandmurray

By Flint Mayor Dayne Walling

Access to safe and clean water is a basic human right. And a citizen's right to safe drinking water should not be based on how much money you earn, the neighborhood you live in or if your local government is under the control of an emergency manager.

All citizens have a fundamental right to know that such a critical resource as their water supply is safe and accessible. But that is not happening in Flint at the moment.

That is why, on January 18th, I forwarded a request that Governor Snyder adopt my Flint Water Improvement Plan. My plan, focused on the areas of safety, quality, access, investment and education, starts by calling for 100 percent safety as the standard for water.

The plan calls for reporting of water testing to the public by city officials, an amnesty program to reduce fees for Flint water turn-ons, accelerated water system capital improvements and partnerships with community organizations to help with water payment assistance. I'm also reaching out to other state and elected officials for support.

The request comes as residents, as evidenced in a series of recent community meetings, continue to have concerns about the quality of Flint's water. Earlier in 2014, several boil-the-water advisories were issued by the city because of issues with bacteria found in water in some parts of Flint. Gov. Snyder's appointed emergency manager recently told customers that Flint was in violation of the Safe Drinking Water Act because of the high level of trihalomethane (TTHM) -- a byproduct of chlorination -- in drinking water samples last year.

A contradictory order from the city saying the water was safe but could present risks for infants, the elderly and those with compromised immune systems confused residents further and compounded the worries of Flint's vulnerable populations. Marry that with costly water rates that have threatened individuals' access and you have the crisis of concern and confidence swirling in Flint today.

Sadly, because Flint is under Michigan's controversial emergency manager system of governance, locally elected officials have been largely limited to serving as sounding boards to justifiably worried Flint residents.

This is unacceptable. Not only should Governor Snyder visit Flint in the midst of this ongoing crisis, but his administration should make it the priority that the community expects.

It's time for the Snyder administration to do what is best for the citizens of Flint---immediately. There is nothing more important in Flint right now than fixing the water problems.

This will take time and money so the sooner the new investments are made, the better.

Friend,

Access to clean, safe, affordable water is a basic human right.

That's why I just sent Gov. Snyder my Flint Water Improvement Plan. It focuses on the areas of safety, quality, access, investment and education. My letter urges the governor to quickly implement these ideas so that Flint's water is 100% safe.

Please contact Gov. Snyder by calling (517) 335-6397 (or by clicking here) and ask him to take action immediately to implement my plan and ensure Flint's water is safe.

My plan offers new ideas and also builds on successful models of utility, energy and assistance programs at the state and federal levels. Here is my plan:

Safety & Quality

- 100% Safety is the standard
- City of Flint releases testing data to assure safety and expands testing to households with support from the Michigan Department of Environmental Quality
- Support alternatives for those advised not to drink the water by their doctors through the Michigan Health Endowment Fund and community partners to protect the vulnerable like seniors and infants
- Bring on experienced river water treatment operational management in the City of Flint
- Require water testing data to be released quarterly by law in all Michigan communities

Access

- Announce an amnesty program for turn-ons and reduce the turn-on cost in Flint
- Develop a revised payment plan policy to allow customers to come back on to the Flint system
- New Federal and State partnership to establish new Drinking Water Emergency Assistance Fund for customers (modeled on Federal and State energy utility programs: Low Income Home Energy Assistance Program; Michigan Energy Assistance Program; State Emergency Relief)

Investment

- Accelerate water system improvements outlined in the City of Flint Capital Improvement Plan through Federal and State Investments
- State approves City of Flint's Distressed Cities Fund applications
- Federal and State forgiveness of payment to Drinking Water Revolving Loan Fund
- Federal and State financing for future improvements
- City Water Department implements budgeted FY15 projects including leak detection, valve repairs, new pipes and meter replacements

Education

- Develop a community partnership to provide household and business customers with information on testing and conservation
- Ongoing partnership with Michigan Department of Human Services, United Way, Salvation Army and community organizations to provide information on water assistance
- Expand youth energy initiative to assist households with conservation and efficiency (piloted in summer 2014 with Northwestern High School students, EcoWorks and Consumers Energy)

The struggle with our water has gone on for too long. The state must take action and do its part.

Please ask Gov. Snyder to take action immediately to implement my plan and ensure Flint's water is safe.

Thank you for your ongoing support.

Sincerely,

Dayne

P.S. -- Please send this to friends and family so they can take action too!

From: Saxton, Thomas (Treasury)
Sent: Wednesday, February 11, 2015 6:09 AM
To: Muchmore, Dennis (GOV); Hollins, Harvey (GOV)
Cc: Workman, Wayne (TREASURY); Stanton, Terry A. (Treasury); Clement, Elizabeth (GOV)
Subject: Fwd: PRESS RELEASE: Water Consultant Announcement
Attachments: Water Consultant Announcement 2.10.15.pdf; ATT00001.htm

see the press release below re the water consultant. In the conversation Wayne & I had with Jerry late yesterday they are apparently planning a public forum mtg of some type next week to share preliminary results of the consultant's work. Veolia has already been doing some work on this.

Begin forwarded message:

> **From:** Gerald Ambrose <gambrose@cityofflint.com>
> **Date:** February 10, 2015 at 9:13:45 PM EST
> **To:** "Thomas Saxton (Treasury)" <SaxtonT@michigan.gov>, "Wayne Workman (TREASURY)" <workmanw@michigan.gov>
> **Subject: Fwd: PRESS RELEASE: Water Consultant Announcement**
>
> Just in case you did not see this. Had a roundtable with media and Veolia.
>
> ---------- Forwarded message ----------
> From: "Jason Lorenz" <jlorenz@cityofflint.com>
> Date: Feb 10, 2015 2:56 PM
> Subject: PRESS RELEASE: Water Consultant Announcement
> To:
> Cc:
>
> **For Immediate Release**
>
> ## Flint Hires International Urban Water Experts of Veolia North America to Assess City's Water Issues
>
> ***Flint, Michigan – February 10, 2015*** – The City of Flint has retained a team of urban water experts from Veolia North America to conduct an analysis of the city's water system. Veolia, which is the world's largest water services and technology company, will assess how Flint's water is tested and distributed, including reviewing water treatment processes and operations, laboratory

testing and analysis, and engineering reports that detail the city's treatment and distribution systems.

"We understand the frustration and urgency in Flint," said David Gadis, vice president of Veolia North America's Municipal & Commercial Business. "We are honored to support your community with our technical expertise so that together we can ensure water quality for the people of the city of Flint."

Veolia anticipates its analysis to take less than two weeks, at which time they will present findings to City officials, including the Mayor, City Council and the Emergency Manager. Once the findings are presented, city officials will determine how to move forward.

"Addressing the City's water challenges are the top priority right now and it is important to bring in an independent, highly qualified team to work with us to address the safety and quality issues," said Mayor Dayne Walling.

"Until we have completed our analysis, we cannot say for certain how long it will take to provide solutions to Flint's current water situation," said Gadis. "We have extensive experience handling challenging river water sources, reducing leaks and contaminants and in managing discolored water."

"Veolia worked diligently to respond to our Request For Proposal in a thorough, professional way and demonstrated the ability to immediately support us as we ensure safe, clean water for our residents," said Emergency Manager Jerry Ambrose.

The Veolia team hit the ground running Tuesday morning, meeting with water officials to provide an overview of the work to be conducted. "We look forward to helping Flint's team find ways to address and improve the city's drinking water operation," Gadis said.

The company designs and provides water, waste and energy management solutions to communities and industries across the country, including providing water and wastewater services to 530 communities in North America. More information is available at www.veolianorthamerica.com.

–END–

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

Jason Lorenz
Public Information Officer
(810) 237-2039
jlorenz@cityofflint.com

For Immediate Release

Flint Hires International Urban Water Experts of Veolia North America to Assess City's Water Issues

Flint, Michigan – February 10, 2015 – The City of Flint has retained a team of urban water experts from Veolia North America to conduct an analysis of the city's water system. Veolia, which is the world's largest water services and technology company, will assess how Flint's water is tested and distributed, including reviewing water treatment processes and operations, laboratory testing and analysis, and engineering reports that detail the city's treatment and distribution systems.

"We understand the frustration and urgency in Flint," said David Gadis, vice president of Veolia North America's Municipal & Commercial Business. "We are honored to support your community with our technical expertise so that together we can ensure water quality for the people of the city of Flint."

Veolia anticipates its analysis to take less than two weeks, at which time they will present findings to City officials, including the Mayor, City Council and the Emergency Manager. Once the findings are presented, city officials will determine how to move forward.

"Addressing the City's water challenges are the top priority right now and it is important to bring in an independent, highly qualified team to work with us to address the safety and quality issues," said Mayor Dayne Walling.

–CONTINUE–

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

"Until we have completed our analysis, we cannot say for certain how long it will take to provide solutions to Flint's current water situation," said Gadis. "We have extensive experience handling challenging river water sources, reducing leaks and contaminants and in managing discolored water."

"Veolia worked diligently to respond to our Request For Proposal in a thorough, professional way and demonstrated the ability to immediately support us as we ensure safe, clean water for our residents," said Emergency Manager Jerry Ambrose.

The Veolia team hit the ground running Tuesday morning, meeting with water officials to provide an overview of the work to be conducted. "We look forward to helping Flint's team find ways to address and improve the city's drinking water operation," Gadis said.

The company designs and provides water, waste and energy management solutions to communities and industries across the country, including providing water and wastewater services to 530 communities in North America. More information is available at www.veolianorthamerica.com.

–END–

From: Workman, Wayne (TREASURY)
Sent: Friday, February 27, 2015 5:15 PM
To: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Hollins, Harvey (GOV); Saxton, Thomas (Treasury); Stanton, Terry A. (Treasury); Storberg, Ann Marie (TREASURY)
Subject: Fwd: PRESS RELEASE: Recent Tests Show Flint Water within EPA Guidelines
Attachments: TTHM Results February.pdf; ATT00001.htm; February TTHM Result Chart.pdf; ATT00002.htm

In case you did not see this. Will be reviewing Water System info over the weekend. Maybe something Monday, Tuesday latest. I need to edit also. Wayne

Sent from my iPhone

Begin forwarded message:

> **From:** Jason Lorenz <jlorenz@cityofflint.com>
> **Date:** February 27, 2015 at 4:29:04 PM EST
> **To:** Jason Lorenz <jlorenz@cityofflint.com>
> **Subject: Re: PRESS RELEASE: Recent Tests Show Flint Water within EPA Guidelines**
>
> Attached is the release with the proper date.
>
> **For Immediate Release**
>
> ## Recent Tests Show Flint Water within EPA Guidelines
>
> ***Flint, Michigan – February 27, 2015*** – The Michigan Department of Environmental Quality (MDEQ) Testing lab has provided results to the City of Flint showing that test results for TTHM levels for the month of February are well within EPA guidelines for safe water. All eight testing sites showed levels of TTHM ranging between 14.9 and 28.5 micrograms per liter (µg/L), well below the Maximum Contamination Level of 80 (see chart below).
>
> The testing results confirm the progress made by the City to address concerns regarding the safety of its water supply and corroborates findings by the City and independent tests by other organizations that the water today is safe. "Flint's water supply is meeting all safety guidelines set forth by the EPA," said DPW Director Howard Croft. "Today's findings by the MDEQ reinforce the progress we have made, and should help rebuild confidence in the safety of Flint's

drinking water. We still have work to do to improve water quality and are committed to being vigilant to assure that water safety is maintained."

These results also show that the four month average for test results is now within EPA guidelines for five of the eight testing areas in the City. However, because EPA regulations require that the four month average for all testing sites be within guidelines, the City of Flint will still be considered to be out of compliance by MDEQ. The City expects to receive notice within the next few weeks indicating non-compliance, and system users can expect to receive official notice of non-compliance in the month of March.

Meanwhile, the City continues to work on maintaining water safety and improving water quality. While steps are being taken daily to improve quality, the City is expecting a formal set of recommendations from its water quality experts within the next few weeks.

The detail of the study results, a report of the progress being made and preliminary recommendations from Veolia will be shared with the newly formed Water Advisory Committee and Water Technical Committee, whose first meetings are scheduled for next week.

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

On Fri, Feb 27, 2015 at 4:04 PM, Jason Lorenz <jlorenz@cityofflint.com> wrote:

Recent Tests Show Flint Water within EPA Guidelines

Flint, Michigan – March 2, 2015 – The Michigan Department of Environmental Quality (MDEQ) Testing lab has provided results to the City of Flint showing that test results for TTHM levels for the month of February are well within EPA guidelines for safe water. All eight testing sites showed levels of TTHM ranging between 14.9 and 28.5 micrograms per liter (µg/L), well below the Maximum Contamination Level of 80 (see chart attached).

The testing results confirm the progress made by the City to address concerns regarding the safety of its water supply and corroborates findings by the City and independent tests by other organizations that the water today is safe. "Flint's water supply is meeting all safety guidelines set forth by the EPA," said DPW Director Howard Croft. "Today's findings by the MDEQ

reinforce the progress we have made, and should help rebuild confidence in the safety of Flint's drinking water. We still have work to do to improve water quality and are committed to being vigilant to assure that water safety is maintained."

These results also show that the four month average for test results is now within EPA guidelines for five of the eight testing areas in the City. However, because EPA regulations require that the four month average for all testing sites be within guidelines, the City of Flint will still be considered to be out of compliance by MDEQ. The City expects to receive notice within the next few weeks indicating non-compliance, and system users can expect to receive official notice of non-compliance in the month of March.

Meanwhile, the City continues to work on maintaining water safety and improving water quality. While steps are being taken daily to improve quality, the City is expecting a formal set of recommendations from its water quality experts within the next few weeks.

The detail of the study results, a report of the progress being made and preliminary recommendations from Veolia will be shared with the newly formed Water Advisory Committee and Water Technical Committee, whose first meetings are scheduled for next week.

See Attached. Areas in blue (under February) indicate current levels.

–END–

~Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

Jason Lorenz
Public Information Officer
(810) 237-2039
jlorenz@cityofflint.com

For Immediate Release

Recent Tests Show Flint Water within EPA Guidelines

Flint, Michigan – February 27, 2015 – The Michigan Department of Environmental Quality (MDEQ) Testing lab has provided results to the City of Flint showing that test results for TTHM levels for the month of February are well within EPA guidelines for safe water. All eight testing sites showed levels of TTHM ranging between 14.9 and 28.5 micrograms per liter (µg/L), well below the Maximum Contamination Level of 80 (see chart below).

The testing results confirm the progress made by the City to address concerns regarding the safety of its water supply and corroborates findings by the City and independent tests by other organizations that the water today is safe. "Flint's water supply is meeting all safety guidelines set forth by the EPA," said DPW Director Howard Croft. "Today's findings by the MDEQ reinforce the progress we have made, and should help rebuild confidence in the safety of Flint's drinking water. We still have work to do to improve water quality and are committed to being vigilant to assure that water safety is maintained."

These results also show that the four month average for test results is now within EPA guidelines for five of the eight testing areas in the City. However, because EPA regulations require that the four month average for all testing sites be within guidelines, the City of Flint will still be considered to be out of compliance by MDEQ. The City expects to receive notice within the next few weeks indicating non-compliance, and system users can expect to receive official notice of non-compliance in the month of March.

–CONTINUE–

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

Meanwhile, the City continues to work on maintaining water safety and improving water quality. While steps are being taken daily to improve quality, the City is expecting a formal set of recommendations from its water quality experts within the next few weeks.

The detail of the study results, a report of the progress being made and preliminary recommendations from Veolia will be shared with the newly formed Water Advisory Committee and Water Technical Committee, whose first meetings are scheduled for next week.

Areas in blue (under February) indicate current levels:

DISINFECTION BY-PRODUCTS - DEQ Required Testing

MCL for TTHM = 80 ug/L MCL for HAA5 = 60 ug/L

	May-14		Aug-14		Nov-14		Feb-15		LRAA		MAX	MIN
	TTHM	HAA5	TTHM	HAA5	TTHM	HAA5	TTHM	HAA5	TTHM	HAA5	TTHM	TTHM
Water Plant Tap	56	36	86	36	83	38		36	58.3	36.8	86.0	33.0
	*Most Recently (June 2014)		*Most Recently (June 2014)		*Most Recently (June 2014)		*Most Recently (June 2015)		*Most Recently (June 2015)			
Site # 1	162.4	64.0	145.3	43.0	58.6	16.0	16.2	9.0	95.6	33.0	162.4	16.2
Site # 2	111.6	52.0	112.0	40.0	36.2	21.0	19.9	9.0	69.9	36.5	112.0	19.9
Site # 3	96.5	48.0	127.2	31.6	33.3	15.0	16.8	9.0	68.5	25.8	127.2	16.8
Site # 4	106.8	55.0	181.3	24.0	33.9	15.0	18.1	9.0	84.9	25.8	181.3	18.1
Site # 5	75.1	38.8	196.2	11.6	98.6	24.0	39.5	9.0	93.6	20.5	196.2	24.5
Site # 6	82.2	41.0	112.4	25.0	50.1	5.0	28.5	2.0	68.3	18.3	112.4	28.5
Site # 7	88.3	48.0	144.4	30.0	53.6	17.0	19.2	9.0	76.4	26.3	144.4	19.2
Site # 8	79.2	50.8	118.3	37.6	41.1	18.0	14.9	5.0	63.4	28.5	118.3	14.9

*Sampled at end of test.

–END–

City Hall
1101 S. Saginaw Street - Flint, Michigan 48502
810-766-7346 FAX: 810-766-7218 www.cityofflint.com

DISINFECTION BY-PRODUCTS - DEQ Required Testing

MCL for TTHM = 80 ug/L MCL for HAA5 = 60 ug/L

	May-14		Aug-14		Nov-14		Feb-15		LRAA		MAX	MIN
	TTHM	HAA5	TTHM	HAA5	TTHM	HAA5	TTHM	HAA5	TTHM	HAA5	TTHM	TTHM
Water Plant Tap	56	36	86	36	33	36		38	58.3	36.0	86.0	33.0
	*Once Yearly (June 2014)		*Once Yearly (June 2014)		*Once Yearly (June 2014)		*Once Yearly (June 2014)		*Once Yearly (June 2014)			
Site # 1	162.4	64.0	145.3	43.0	58.6	16.0	16.2	9.0	95.6	33.0	162.4	16.2
Site # 2	111.6	52.0	112.0	40.0	36.2	21.0	19.9	9.0	69.9	30.5	112.0	19.9
Site # 3	96.5	48.0	127.2	31.0	33.3	15.0	16.8	9.0	68.5	25.8	127.2	16.8
Site # 4	106.4	55.0	181.3	24.0	33.9	15.0	18.1	9.0	84.9	25.8	181.3	18.1
Site # 5	75.1	38.0	196.2	11.0	93.6	24.0	24.5	9.0	97.4	20.5	196.2	24.5
Site # 6	82.2	41.0	112.4	25.0	50.1	5.0	28.5	2.0	68.3	18.3	112.4	28.5
Site # 7	88.2	49.0	144.4	30.0	53.6	17.0	19.2	9.0	76.4	26.3	144.4	19.2
Site # 8	79.2	50.0	118.3	37.0	41.1	18.0	14.9	9.0	63.4	28.5	118.3	14.9

*Sampled at end of Oct.

Total Organic Carbon (mg

	Raw	Final
May	10.30	4.57
June	9.00	3.63
July	8.44	2.67
August	8.48	4.06
Sept	7.36	3.30
Oct	7.38	2.99
Nov	7.27	3.86
Dec	6.49	2.59
Jan	7.62	3.21
Feb	5.95	2.07

;/L)

From: Workman, Wayne (TREASURY)
Sent: Thursday, April 16, 2015 6:02 PM
To: Saxton, Thomas (Treasury); Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Hollins, Harvey (GOV)
Subject: Fwd: PRESS RELEASE: City of Flint Moves Ahead with $5 million in Water Treatment Improvements
Attachments: GAC approval and other Water Improvements April 16, 2015.pdf; ATT00001.htm

Follow Up Flag: Follow up
Flag Status: Flagged

Sent from my iPhone

Begin forwarded message:

From: Jason Lorenz <jlorenz@cityofflint.com>
Date: April 16, 2015 at 5:55:39 PM EDT
To: undisclosed-recipients:;
Subject: PRESS RELEASE: City of Flint Moves Ahead with $5 million in Water Treatment Improvements

For Immediate Release

City of Flint Moves Ahead with $5 million in Water Treatment Improvements

Flint, Michigan – April 16, 2015 – Emergency Manager Jerry Ambrose, with approval from the Department of Treasury, has authorized a contract with LAN, the City's consulting engineers, to immediately proceed with design and installation of granulated activated carbon filter for the Water Treatment Plant. Installation of the filter was one of the primary recommendations from Veolia and others as a means to help assure that City water will continue to be within EPA guidelines. Installation is scheduled to begin in Mid-June, with completion by mid-July.

Other action steps are also underway at the plant, including cleaning plate settlers, repairing the clarifier, and adjusting chemical dosing and levels as also recommended. Additionally, a contract is being finalized for the water main leak detection project, hydraulic modeling and flushing is underway, and bids for the replacement of 2 miles of major pipe are being reviewed.

Nearly $5 million has been budgeted to implement these actions, which in large measure are the ongoing types of action necessary to maintain the water treatment and distribution system. $2.1 million of this amount is budgeted for replacement of the pipe along Dupont St., and $1.6 million is budgeted for the GAC, with $900,000 budgeted for water main leak detection. Actual replacement of the pipe is scheduled to begin in June, and to be completed by early September.

These steps are all part of the action plan recently released by the City as it continues its work to maintain the safety of the water and improve its quality. Recent testing has shown that Flint's water is meeting all regulatory safety standards, with TTHM levels being significantly below the maximum level accepted.

The measures that have been taken to date by the Flint Water Plant staff have resulted in a significant improvement in the quality of Flint water since last summer. "Both the hardness and TTHM levels are at the lowest point since the switch to the Flint river last April," said DPW Director Howard Croft. "Installing the GAC filter, in addition to these other steps, will further bolster the positive direction we are moving in to continue improving the quality of water in the City."

–END–

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

Jason Lorenz
Public Information Officer
(810) 237-2039
jlorenz@cityofflint.com

For Immediate Release

City of Flint Moves Ahead with $5 million in Water Treatment Improvements

Flint, Michigan – April 16, 2015 – Emergency Manager Jerry Ambrose, with approval from the Department of Treasury, has authorized a contract with LAN, the City's consulting engineers, to immediately proceed with design and installation of granulated activated carbon filter for the Water Treatment Plant. Installation of the filter was one of the primary recommendations from Veolia and others as a means to help assure that City water will continue to be within EPA guidelines. Installation is scheduled to begin in Mid-June, with completion by mid-July.

Other action steps are also underway at the plant, including cleaning plate settlers, repairing the clarifier, and adjusting chemical dosing and levels as also recommended. Additionally, a contract is being finalized for the water main leak detection project, hydraulic modeling and flushing is underway, and bids for the replacement of 2 miles of major pipe are being reviewed.

Nearly $5 million has been budgeted to implement these actions, which in large measure are the ongoing types of action necessary to maintain the water treatment and distribution system. $2.1 million of this amount is budgeted for replacement of the pipe along Dupont St., and $1.6 million is budgeted for the GAC, with $900,000 budgeted for water main leak detection. Actual replacement of the pipe is scheduled to begin in June, and to be completed by early September.

–CONTINUE–

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

These steps are all part of the action plan recently released by the City as it continues its work to maintain the safety of the water and improve its quality. Recent testing has shown that Flint's water is meeting all regulatory safety standards, with TTHM levels being significantly below the maximum level accepted.

The measures that have been taken to date by the Flint Water Plant staff have resulted in a significant improvement in the quality of Flint water since last summer. "Both the hardness and TTHM levels are at the lowest point since the switch to the Flint river last April," said DPW Director Howard Croft. "Installing the GAC filter, in addition to these other steps, will further bolster the positive direction we are moving in to continue improving the quality of water in the City."

–END–

From: Muchmore, Dennis (GOV)
Sent: Tuesday, September 29, 2015 11:34 AM
To: Clement, Elizabeth (GOV)
Subject: How does Kalenske fit into the Flint water issue?

From: Saxton, Thomas (Treasury)
Sent: Tuesday, September 29, 2015 5:34 PM
To: Muchmore, Dennis (GOV)
Cc: Clement, Elizabeth (GOV)
Subject: FW: FDCVT - Flint
Attachments: FDCVT Grant Apps_8-19-15.pdf; Flint River Water Quality

One of my 'take-aways' from the meeting this afternoon was to follow up on whether they could use those Distressed Cities' $s for filters. Remember last year they did receive $2mm which they used for water related items. This year they want funds for the property assessing area. Their project cost is more than the grant limit. It is not clear they realize that. The deadline application is Oct 15 if they were willing to change the application. Assuming that is doable.

With Wayne away (and before the 1:00 mtg)... a call was set up actually earlier today with Natasha Henderson. Do you care if we still do that ? The email setting it up is attached. Obviously we are not going to commit to anything.

Let me know if you need anything else.

From: Cole, Evah (Treasury)
Sent: Tuesday, September 29, 2015 4:20 PM
To: Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>
Cc: Koryzno, Edward (Treasury) <KoryznoE@michigan.gov>; Pleyte, Beth (Treasury) <PleyteB@michigan.gov>; Dempkowski, Angela (Treasury) <DempkowskiA@michigan.gov>; Kolka, Carolyn (Treasury) <KolkaC@michigan.gov>; Stanton, Terry A. (Treasury) <StantonT@michigan.gov>; Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>
Subject: RE: FDCVT - Flint

Tom,

Below are the answers to your questions. If you have any further questions, let us know. Thank you.

Do we know whether Flint has yet applied for any of these (FDCVT) $s ?
ANSWER: We received an application from the City of Flint on September 17th. The amount requested for the project is $2M (the limit for a local unit) and it is estimated to take $3.1M to complete the entire project. They also indicated that if full funding is not awarded, it is doubtful that they will be able to move forward with the project. The proposed project is:

"The city proposes to hire a qualified contractor to provide property assessing services. Specifically, this contractor will create digital property sketches of all improved properties, evaluate existing property conditions and improvements by providing real property data verification, and conduct a comprehensive appraisal valuation study. This process will take place over a period of 3 years, from June 1, 2016 to July 1, 2019."

Do we know if they have plans to?
ANSWER: Since they asked for the entire $2M for the above project, we would assume they are not submitting any further projects, however we are not sure.

And have they asked (& rec'd) $s from this program previously i.e., last year, and if so, what did they use those $s for? ANSWER: Treasury awarded Flint two grants in FY 2015 under the FDCVT program. Treasury has not yet received any reimbursement requests from the City. Therefore, we have not distributed any of the FDCVT grant related funds to the City. The two grants are:

Awarded	Project Name	Brief Description
$1,100,000	Water Pollution Control Incinerator Shutdown	Water system enhancements through improved waste management
$900,000	Water Main Leak Detection Survey and Condition Assessment	Water system enhancements through leak detection and pipe assessments

Sent from my iPhone

On Sep 29, 2015, at 3:00 PM, Stanton, Terry A. (Treasury) <StantonT@michigan.gov> wrote:

> See the attached press release...noting Flint's awards (2).
>
> The writeup below was included in Flint Water Talking Points from last winter.
>
> **The City has received significant financial assistance through both grant programs and bond restructuring initiatives administered by the MI Department of Treasury. This financial assistance has allowed the City to replace miles of aged pipeline and begin efforts to install a specialized filter at the Water Treatment Plant.**
>
> **In February, Flint was awarded a total of $2 million through two *Financially Distressed Cities, Villages, and Townships Grants*. $1.1 million was awarded for water system enhancements through improved waste management while $900,000 was awarded for water system enhancements through leak detection and pipe assessments.**
>
> ---
>
> **From:** Saxton, Thomas (Treasury)
> **Sent:** Tuesday, September 29, 2015 2:53 PM
> **To:** Koryzno, Edward (Treasury) <KoryznoE@michigan.gov>; Cole, Evah (Treasury) <ColeE@michigan.gov>
> **Cc:** Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>; Stanton, Terry A. (Treasury) <StantonT@michigan.gov>; Pleyte, Beth (Treasury) <PleyteB@michigan.gov>; Dempkowski, Angela (Treasury) <DempkowskiA@michigan.gov>
> **Subject:** FW: FDCVT
>
> Do we know whether Flint has yet applied for any of these $s ? Do we know if they have plans to? And have they asked (& rec'd) $s from this program previously i.e., last year. [knowing that it hasn't been going that long]. If so, what did they use those $s for.
>
> Finally, if they hadn't applied yet... given the current Flint water situation;
> Could they use these grant funds to purchase filters for individual residents for use in their homes ?
>
> If you can get back to me quickly I would appreciate it. Thanks
>
> <FDCVT Grant Awards 2-3-15.pdf>

STATE OF MICHIGAN
DEPARTMENT OF TREASURY
LANSING

RICK SNYDER
GOVERNOR

NICK A. KHOURI
STATE TREASURER

August 19, 2015

FOR IMMEDIATE RELEASE
www.michigan.gov/treasury

Contact: Terry Stanton
(517) 335-2167

$5 million in grants available for local governments facing financial distress

Money for special projects to free up funds for services

Municipalities experiencing financial struggles can apply for a $5 million grant program that can help fund special projects and free up tax dollars for important services.

Applications for the Financially Distressed Cities, Villages, and Townships grant program are now available. Municipalities interested in applying for an award must submit applications to the Department of Treasury by 11:59 p.m. on Thursday, Oct. 15, 2015.

All cities, villages, and townships, experiencing at least one condition of "probable financial distress" as outlined in Public Act 436 of 2012, the Local Financial Stability and Choice Act*, are eligible to apply.

"This program offers critical assistance to municipalities facing significant financial difficulties," Gov. Rick Snyder said. "Grant dollars can help troubled cities, villages, and townships fund projects which, in turn, frees up valuable tax dollars for other critical services that benefit residents and taxpayers in those communities."

Grant funding may be used to pay for specific projects, services, or strategies that move the city, village, or township toward financial stability. Preference will be given to applicants from local units in which:

- A financial emergency has been declared in the past five years;
- An approved Deficit Elimination Plan for the General Fund is currently in place; or,
- Two or more conditions indicating "probable financial distress" currently exist.

For more information about FDCVT grants, including the application for cities, villages, and townships, visit www.michigan.gov/revenuesharing.

*Conditions of "probable financial distress" relating solely to school districts are not included as conditions for FDCVT, as school districts are not eligible.

From: Koryzno, Edward (Treasury)
Sent: Tuesday, September 29, 2015 9:58 AM
Subject: Flint River Water Quality

Natasha,

I am following up on yesterday's phone call with you.

Angela will contact you to set up a conference call for tomorrow afternoon. Because Wayne is out of town Tom Saxton will participate in the discussion regarding your request. Tom and I would request you, Peter Bade and Howard Croft be on the call.

We have a number of follow-up questions: What is the basis for the estimated $18M cost to temporarily reconnect to the Great Lakes Water Authority? What is the timeline? Why didn't Viola advise the City about the potential for elevated lead levels when using Flint river water? What assurances do you have indicating a temporary reconnection to the Water Authority resolves the elevated lead problem or other system problems? Who are the assurances from? Did the Viola report recommend using Ortho Phosphates to treat the water?

Ed

Edward B. Koryzno, Jr. | Director – Bureau of Local Government Services
State of Michigan | 430 W. Allegan Street, 3rd Floor | Lansing, MI 48922
(517) 373-4415 | (517) 373-0633 (fax)
KoryznoE@michigan.gov

Think Green! Don't print this e-mail unless you need to.

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, is for the sole use of the intended recipient(s) and may contain information that is confidential and protected from disclosure under the law. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail, and delete/destroy all copies of the original message and attachments.
Thank you

From: Muchmore, Dennis (GOV)
Sent: Wednesday, September 30, 2015 8:47 AM
To: Saxton, Thomas (Treasury)
Cc: Clement, Elizabeth (GOV)
Subject: RE: FDCVT - Flint

Thanks. Are you suggesting they modify their request to one that asks for money for filters instead of the assessing since the assessing cost exceeds the grant and they couldn't do the project anyway?

From: Saxton, Thomas (Treasury)
Sent: Tuesday, September 29, 2015 5:34 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Cc: Clement, Elizabeth (GOV) <clemente@michigan.gov>
Subject: FW: FDCVT - Flint

One of my 'take-aways' from the meeting this afternoon was to follow up on whether they could use those Distressed Cities' $s for filters. Remember last year they did receive $2mm which they used for water related items. This year they want funds for the property assessing area. Their project cost is more than the grant limit. It is not clear they realize that. The deadline application is Oct 15 if they were willing to change the application. Assuming that is doable.

With Wayne away (and before the 1:00 mtg)... a call was set up actually earlier today with Natasha Henderson. Do you care if we still do that ? The email setting it up is attached. Obviously we are not going to commit to anything.

Let me know if you need anything else.

From: Cole, Evah (Treasury)
Sent: Tuesday, September 29, 2015 4:20 PM
To: Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>
Cc: Koryzno, Edward (Treasury) <KoryznoE@michigan.gov>; Pleyte, Beth (Treasury) <PleyteB@michigan.gov>; Dempkowski, Angela (Treasury) <DempkowskiA@michigan.gov>; Kolka, Carolyn (Treasury) <KolkaC@michigan.gov>; Stanton, Terry A. (Treasury) <StantonT@michigan.gov>; Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>
Subject: RE: FDCVT - Flint

Tom,

Below are the answers to your questions. If you have any further questions, let us know. Thank you.

Do we know whether Flint has yet applied for any of these (FDCVT) $s ?
ANSWER: We received an application from the City of Flint on September 17th. The amount requested for the project is $2M (the limit for a local unit) and it is estimated to take $3.1M to complete the entire project. They also indicated that if full funding is not awarded, it is doubtful that they will be able to move forward with the project. The proposed project is:

"The city proposes to hire a qualified contractor to provide property assessing services. Specifically, this contractor will create digital property sketches of all improved properties, evaluate existing property conditions and improvements by providing real property data verification, and conduct a comprehensive appraisal valuation study. This process will take place over a period of 3 years, from June 1, 2016 to July 1, 2019."

Do we know if they have plans to?
ANSWER: Since they asked for the entire $2M for the above project, we would assume they are not submitting any further projects, however we are not sure.

And have they asked (& rec'd) $s from this program previously i.e., last year, and if so, what did they use those $s for?
ANSWER: Treasury awarded Flint two grants in FY 2015 under the FDCVT program. Treasury has not yet received any reimbursement requests from the City. Therefore, we have not distributed any of the FDCVT grant related funds to the City. The two grants are:

Awarded	Project Name	Brief Description
$1,100,000	Water Pollution Control Incinerator Shutdown	Water system enhancements through improved waste management
$900,000	Water Main Leak Detection Survey and Condition Assessment	Water system enhancements through leak detection and pipe assessments

Sent from my iPhone

On Sep 29, 2015, at 3:00 PM, Stanton, Terry A. (Treasury) <StantonT@michigan.gov> wrote:

> See the attached press release...noting Flint's awards (2).
>
> The writeup below was included in Flint Water Talking Points from last winter.
>
> **The City has received significant financial assistance through both grant programs and bond restructuring initiatives administered by the MI Department of Treasury. This financial assistance has allowed the City to replace miles of aged pipeline and begin efforts to install a specialized filter at the Water Treatment Plant.**
>
> **In February, Flint was awarded a total of $2 million through two *Financially Distressed Cities, Villages, and Townships Grants*. $1.1 million was awarded for water system enhancements through improved waste management while $900,000 was awarded for water system enhancements through leak detection and pipe assessments.**
>
> ---
>
> **From:** Saxton, Thomas (Treasury)
> **Sent:** Tuesday, September 29, 2015 2:53 PM
> **To:** Koryzno, Edward (Treasury) <KoryznoE@michigan.gov>; Cole, Evah (Treasury) <ColeE@michigan.gov>
> **Cc:** Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>; Stanton, Terry A. (Treasury) <StantonT@michigan.gov>; Pleyte, Beth (Treasury) <PleyteB@michigan.gov>; Dempkowski, Angela (Treasury) <DempkowskiA@michigan.gov>
> **Subject:** FW: FDCVT

Do we know whether Flint has yet applied for any of these $s ? Do we know if they have plans to? And have they asked (& rec'd) $s from this program previously i.e., last year. [knowing that it hasn't been going that long]. If so, what did they use those $s for.

Finally, if they hadn't applied yet... given the current Flint water situation;
Could they use these grant funds to purchase filters for individual residents for use in their homes ?

If you can get back to me quickly I would appreciate it. Thanks

<FDCVT Grant Awards 2-3-15.pdf>

From: Saxton, Thomas (Treasury)
Sent: Wednesday, September 30, 2015 9:03 AM
To: Muchmore, Dennis (GOV)
Cc: Clement, Elizabeth (GOV); Workman, Wayne (TREASURY)
Subject: RE: FDCVT - Flint

To be honest I am not sure… I don't have the history/background to know whether we would actually turn them/communities down (& we might) if they can't fully fund their project. I am sure that area (assessing) is in chaos as well in Flint.
If that were the case i.e., we would say no to the assessing project; then yes in terms of the switch to water related projects. I think the number I heard yesterday was 10,000-15,000 filters for $250k. Or maybe you create a program to replace the curb-to-home lead piping.

The call with Flint got cancelled today. They are not available now at that time.

From: Muchmore, Dennis (GOV)
Sent: Wednesday, September 30, 2015 8:47 AM
To: Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>
Cc: Clement, Elizabeth (GOV) <clemente@michigan.gov>
Subject: RE: FDCVT - Flint

Thanks. Are you suggesting they modify their request to one that asks for money for filters instead of the assessing since the assessing cost exceeds the grant and they couldn't do the project anyway?

From: Saxton, Thomas (Treasury)
Sent: Tuesday, September 29, 2015 5:34 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Cc: Clement, Elizabeth (GOV) <clemente@michigan.gov>
Subject: FW: FDCVT - Flint

> One of my 'take-aways' from the meeting this afternoon was to follow up on whether they could use those Distressed Cities' $s for filters. Remember last year they did receive $2mm which they used for water related items. This year they want funds for the property assessing area. Their project cost is more than the grant limit. It is not clear they realize that. The deadline application is Oct 15 if they were willing to change the application. Assuming that is doable.
>
> With Wayne away (and before the 1:00 mtg)… a call was set up actually earlier today with Natasha Henderson. Do you care if we still do that ? The email setting it up is attached. Obviously we are not going to commit to anything.
>
> Let me know if you need anything else.

From: Cole, Evah (Treasury)
Sent: Tuesday, September 29, 2015 4:20 PM
To: Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>

Cc: Koryzno, Edward (Treasury) <KoryznoE@michigan.gov>; Pleyte, Beth (Treasury) <PleyteB@michigan.gov>; Dempkowski, Angela (Treasury) <DempkowskiA@michigan.gov>; Kolka, Carolyn (Treasury) <KolkaC@michigan.gov>; Stanton, Terry A. (Treasury) <StantonT@michigan.gov>; Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>
Subject: RE: FDCVT - Flint

Tom,

Below are the answers to your questions. If you have any further questions, let us know. Thank you.

Do we know whether Flint has yet applied for any of these (FDCVT) $s ?
ANSWER: We received an application from the City of Flint on September 17th. The amount requested for the project is $2M (the limit for a local unit) and it is estimated to take $3.1M to complete the entire project. They also indicated that if full funding is not awarded, it is doubtful that they will be able to move forward with the project. The proposed project is:

"The city proposes to hire a qualified contractor to provide property assessing services. Specifically, this contractor will create digital property sketches of all improved properties, evaluate existing property conditions and improvements by providing real property data verification, and conduct a comprehensive appraisal valuation study. This process will take place over a period of 3 years, from June 1, 2016 to July 1, 2019."

Do we know if they have plans to?
ANSWER: Since they asked for the entire $2M for the above project, we would assume they are not submitting any further projects, however we are not sure.

And have they asked (& rec'd) $s from this program previously i.e., last year, and if so, what did they use those $s for?
ANSWER: Treasury awarded Flint two grants in FY 2015 under the FDCVT program. Treasury has not yet received any reimbursement requests from the City. Therefore, we have not distributed any of the FDCVT grant related funds to the City. The two grants are:

Awarded	Project Name	Brief Description
$1,100,000	Water Pollution Control Incinerator Shutdown	Water system enhancements through improved waste management
$900,000	Water Main Leak Detection Survey and Condition Assessment	Water system enhancements through leak detection and pipe assessments

Sent from my iPhone

On Sep 29, 2015, at 3:00 PM, Stanton, Terry A. (Treasury) <StantonT@michigan.gov> wrote:

> See the attached press release...noting Flint's awards (2).
>
> The writeup below was included in Flint Water Talking Points from last winter.
>
> **The City has received significant financial assistance through both grant programs and bond restructuring initiatives administered by the MI Department of Treasury. This financial assistance has allowed the City to replace miles of aged pipeline and begin efforts to install a specialized filter at the Water Treatment Plant.**

In February, Flint was awarded a total of $2 million through two *Financially Distressed Cities, Villages, and Townships Grants*. $1.1 million was awarded for water system enhancements through improved waste management while $900,000 was awarded for water system enhancements through leak detection and pipe assessments.

From: Saxton, Thomas (Treasury)
Sent: Tuesday, September 29, 2015 2:53 PM
To: Koryzno, Edward (Treasury) <KoryznoE@michigan.gov>; Cole, Evah (Treasury) <ColeE@michigan.gov>
Cc: Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>; Stanton, Terry A. (Treasury) <StantonT@michigan.gov>; Pleyte, Beth (Treasury) <PleyteB@michigan.gov>; Dempkowski, Angela (Treasury) <DempkowskiA@michigan.gov>
Subject: FW: FDCVT

Do we know whether Flint has yet applied for any of these $s ? Do we know if they have plans to? And have they asked (& rec'd) $s from this program previously i.e., last year. [knowing that it hasn't been going that long]. If so, what did they use those $s for.

Finally, if they hadn't applied yet... given the current Flint water situation;
Could they use these grant funds to purchase filters for individual residents for use in their homes ?

If you can get back to me quickly I would appreciate it. Thanks

<FDCVT Grant Awards 2-3-15.pdf>

From: Workman, Wayne (TREASURY)
Sent: Wednesday, September 30, 2015 9:27 AM
To: Saxton, Thomas (Treasury)
Cc: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV)
Subject: Re: FDCVT - Flint

There is a STC order for reassassment. It will take 3 years so they can pay in phases. They don't all the money at once. A permanent lead solution is best but more costly. I think we need a face with just a few City people DEQ, HHS to talk about realistic options, not inflamed rhetoric

Sent from my iPhone

On Sep 30, 2015, at 9:03 AM, Saxton, Thomas (Treasury) <SaxtonT@michigan.gov> wrote:

> To be honest I am not sure... I don't have the history/background to know whether we would actually turn them/communities down (& we might) if they can't fully fund their project. I am sure that area (assessing) is in chaos as well in Flint.
> If that were the case i.e., we would say no to the assessing project; then yes in terms of the switch to water related projects. I think the number I heard yesterday was 10,000-15,000 filters for $250k. Or maybe you create a program to replace the curb-to-home lead piping.
>
> The call with Flint got cancelled today. They are not available now at that time.
>
> ---
>
> **From:** Muchmore, Dennis (GOV)
> **Sent:** Wednesday, September 30, 2015 8:47 AM
> **To:** Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>
> **Cc:** Clement, Elizabeth (GOV) <clemente@michigan.gov>
> **Subject:** RE: FDCVT - Flint
>
> Thanks. Are you suggesting they modify their request to one that asks for money for filters instead of the assessing since the assessing cost exceeds the grant and they couldn't do the project anyway?
>
> ---
>
> **From:** Saxton, Thomas (Treasury)
> **Sent:** Tuesday, September 29, 2015 5:34 PM
> **To:** Muchmore, Dennis (GOV) <muchmored@michigan.gov>
> **Cc:** Clement, Elizabeth (GOV) <clemente@michigan.gov>
> **Subject:** FW: FDCVT - Flint
>
> > One of my 'take-aways' from the meeting this afternoon was to follow up on whether they could use those Distressed Cities' $s for filters. Remember last year they did receive $2mm which they used for water related items. This year they want funds for the property assessing area. Their project cost is more than the grant limit. It is not clear they realize that. The deadline application is Oct 15 if they were willing to change the application. Assuming that is doable.

With Wayne away (and before the 1:00 mtg)... a call was set up actually earlier today with Natasha Henderson. Do you care if we still do that ? The email setting it up is attached. Obviously we are not going to commit to anything.

Let me know if you need anything else.

From: Cole, Evah (Treasury)
Sent: Tuesday, September 29, 2015 4:20 PM
To: Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>
Cc: Koryzno, Edward (Treasury) <KoryznoE@michigan.gov>; Pleyte, Beth (Treasury) <PleyteB@michigan.gov>; Dempkowski, Angela (Treasury) <DempkowskiA@michigan.gov>; Kolka, Carolyn (Treasury) <KolkaC@michigan.gov>; Stanton, Terry A. (Treasury) <StantonT@michigan.gov>; Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>
Subject: RE: FDCVT - Flint

Tom,

Below are the answers to your questions. If you have any further questions, let us know. Thank you.

Do we know whether Flint has yet applied for any of these (FDCVT) $s ?
ANSWER: We received an application from the City of Flint on September 17th. The amount requested for the project is $2M (the limit for a local unit) and it is estimated to take $3.1M to complete the entire project. They also indicated that if full funding is not awarded, it is doubtful that they will be able to move forward with the project. The proposed project is:

"The city proposes to hire a qualified contractor to provide property assessing services. Specifically, this contractor will create digital property sketches of all improved properties, evaluate existing property conditions and improvements by providing real property data verification, and conduct a comprehensive appraisal valuation study. This process will take place over a period of 3 years, from June 1, 2016 to July 1, 2019."

Do we know if they have plans to?
ANSWER: Since they asked for the entire $2M for the above project, we would assume they are not submitting any further projects, however we are not sure.

And have they asked (& rec'd) $s from this program previously i.e., last year, and If so, what did they use those $s for?
ANSWER: Treasury awarded Flint two grants in FY 2015 under the FDCVT program. Treasury has not yet received any reimbursement requests from the City. Therefore, we have not distributed any of the FDCVT grant related funds to the City. The two grants are:

Awarded	Project Name	Brief Description
$1,100,000	Water Pollution Control Incinerator Shutdown	Water system enhancements through improved waste management
$900,000	Water Main Leak Detection Survey and Condition Assessment	Water system enhancements through leak detection and pipe assessments

Sent from my iPhone

On Sep 29, 2015, at 3:00 PM, Stanton, Terry A. (Treasury) <StantonT@michigan.gov> wrote:

> See the attached press release...noting Flint's awards (2).
>
> The writeup below was included in Flint Water Talking Points from last winter.
>
> **The City has received significant financial assistance through both grant programs and bond restructuring initiatives administered by the MI Department of Treasury. This financial assistance has allowed the City to replace miles of aged pipeline and begin efforts to install a specialized filter at the Water Treatment Plant.**
>
> **In February, Flint was awarded a total of $2 million through two *Financially Distressed Cities, Villages, and Townships Grants*. $1.1 million was awarded for water system enhancements through improved waste management while $900,000 was awarded for water system enhancements through leak detection and pipe assessments.**

From: Saxton, Thomas (Treasury)
Sent: Tuesday, September 29, 2015 2:53 PM
To: Koryzno, Edward (Treasury) <KoryznoE@michigan.gov>; Cole, Evah (Treasury) <ColeE@michigan.gov>
Cc: Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>; Stanton, Terry A. (Treasury) <StantonT@michigan.gov>; Pleyte, Beth (Treasury) <PleyteB@michigan.gov>; Dempkowski, Angela (Treasury) <DempkowskiA@michigan.gov>
Subject: FW: FDCVT

Do we know whether Flint has yet applied for any of these $s ? Do we know if they have plans to? And have they asked (& rec'd) $s from this program previously i.e., last year. [knowing that it hasn't been going that long]. If so, what did they use those $s for.

Finally, if they hadn't applied yet... given the current Flint water situation;
Could they use these grant funds to purchase filters for individual residents for use in their homes ?

If you can get back to me quickly I would appreciate it. Thanks

<FDCVT Grant Awards 2-3-15.pdf>

From: Workman, Wayne (TREASURY)
Sent: Wednesday, September 30, 2015 9:32 AM
To: Saxton, Thomas (Treasury); Stanton, Terry A. (Treasury); Clement, Elizabeth (GOV); Muchmore, Dennis (GOV)
Subject: Fwd: Report: Using Flint River Proving Costly To City's Water System

I heard this story in North Carolina last night. It is journalists at their worst

Sent from my iPhone

Begin forwarded message:

> **From:** "Widigan, Robert (TREASURY)" <WidiganR@michigan.gov>
> **Date:** September 30, 2015 at 8:12:58 AM EDT
> **To:** "Workman, Wayne (TREASURY)" <WorkmanW@michigan.gov>, "Koryzno, Edward (Treasury)" <KoryznoE@michigan.gov>, "Schafer, Suzanne K. (Treasury)" <Schafer57@michigan.gov>, "Byrne, Randall (Treasury)" <ByrneR1@michigan.gov>
> **Cc:** "Dempkowski, Angela (Treasury)" <DempkowskiA@michigan.gov>, "Vandegrift, Drew (TREASURY)" <VandegriftD@michigan.gov>, "Dostine, Patrick (TREASURY)" <DostineP@michigan.gov>
> **Subject: Report: Using Flint River Proving Costly To City's Water System**
>
> Report estimates it will cost the city of Flint $1.5 billion to repair the damage done since the switch to the Flint River as a water source: http://michiganradio.org/post/report-using-flint-river-proving-costly-citys-water-system
>
> Here is a link to the site with the repot: http://flintwaterstudy.org/
>
> Robert Widigan
> Local Government Financial Services Division
> Michigan Department of Treasury
> Office (517) 373-3227 Cell ([redacted]

From: Muchmore, Dennis (GOV)
Sent: Wednesday, September 30, 2015 3:35 PM
To: Workman, Wayne (TREASURY)
Cc: Saxton, Thomas (Treasury); Clement, Elizabeth (GOV)
Subject: Re: FDCVT - Flint

I wish we could get realistic rather than inflamed, but I'm afraid the flames have long ago been stoked by some missteps that occurred in the switchover to Flint River water. Let's see what we can do.

On Sep 30, 2015, at 9:26 AM, Workman, Wayne (TREASURY) <WorkmanW@michigan.gov> wrote:

> There is a STC order for reassessment. It will take 3 years so they can pay in phases. They don't all the money at once. A permanent lead solution is best but more costly. I think we need a face with just a few City people DEQ, HHS to talk about realistic options, not inflamed rhetoric
>
> Sent from my iPhone
>
> On Sep 30, 2015, at 9:03 AM, Saxton, Thomas (Treasury) <SaxtonT@michigan.gov> wrote:
>
> > To be honest I am not sure... I don't have the history/background to know whether we would actually turn them/communities down (& we might) if they can't fully fund their project. I am sure that area (assessing) is in chaos as well in Flint.
> > If that were the case i.e., we would say no to the assessing project; then yes in terms of the switch to water related projects. I think the number I heard yesterday was 10,000-15,000 filters for $250k. Or maybe you create a program to replace the curb-to-home lead piping.
> >
> > The call with Flint got cancelled today. They are not available now at that time.
> >
> > ---
> >
> > **From:** Muchmore, Dennis (GOV)
> > **Sent:** Wednesday, September 30, 2015 8:47 AM
> > **To:** Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>
> > **Cc:** Clement, Elizabeth (GOV) <clemente@michigan.gov>
> > **Subject:** RE: FDCVT - Flint
> >
> > Thanks. Are you suggesting they modify their request to one that asks for money for filters instead of the assessing since the assessing cost exceeds the grant and they couldn't do the project anyway?
> >
> > ---
> >
> > **From:** Saxton, Thomas (Treasury)
> > **Sent:** Tuesday, September 29, 2015 5:34 PM
> > **To:** Muchmore, Dennis (GOV) <muchmored@michigan.gov>
> > **Cc:** Clement, Elizabeth (GOV) <clemente@michigan.gov>
> > **Subject:** FW: FDCVT - Flint
> >
> > > One of my 'take-aways' from the meeting this afternoon was to follow up on whether they could use those Distressed Cities' $s for filters. Remember last year they did receive $2mm which they

used for water related items. This year they want funds for the property assessing area. Their project cost is more than the grant limit. It is not clear they realize that. The deadline application is Oct 15 if they were willing to change the application. Assuming that is doable.

With Wayne away (and before the 1:00 mtg)... a call was set up actually earlier today with Natasha Henderson. Do you care if we still do that ? The email setting it up is attached. Obviously we are not going to commit to anything.

Let me know if you need anything else.

From: Cole, Evah (Treasury)
Sent: Tuesday, September 29, 2015 4:20 PM
To: Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>
Cc: Koryzno, Edward (Treasury) <KoryznoE@michigan.gov>; Pleyte, Beth (Treasury) <PleyteB@michigan.gov>; Dempkowski, Angela (Treasury) <DempkowskiA@michigan.gov>; Kolka, Carolyn (Treasury) <KolkaC@michigan.gov>; Stanton, Terry A. (Treasury) <StantonT@michigan.gov>; Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>
Subject: RE: FDCVT - Flint

Tom,

Below are the answers to your questions. If you have any further questions, let us know. Thank you.

Do we know whether Flint has yet applied for any of these (FDCVT) $s ?
ANSWER: We received an application from the City of Flint on September 17th. The amount requested for the project is $2M (the limit for a local unit) and it is estimated to take $3.1M to complete the entire project. They also indicated that if full funding is not awarded, it is doubtful that they will be able to move forward with the project. The proposed project is:

"The city proposes to hire a qualified contractor to provide property assessing services. Specifically, this contractor will create digital property sketches of all improved properties, evaluate existing property conditions and improvements by providing real property data verification, and conduct a comprehensive appraisal valuation study. This process will take place over a period of 3 years, from June 1, 2016 to July 1, 2019."

Do we know if they have plans to?
ANSWER: Since they asked for the entire $2M for the above project, we would assume they are not submitting any further projects, however we are not sure.

And have they asked (& rec'd) $s from this program previously i.e., last year, and if so, what did they use those $s for?

ANSWER: Treasury awarded Flint two grants in FY 2015 under the FDCVT program. Treasury has not yet received any reimbursement requests from the City. Therefore, we have not distributed any of the FDCVT grant related funds to the City. The two grants are:

Awarded	Project Name	Brief Description
$1,100,000	Water Pollution Control Incinerator Shutdown	Water system enhancements throu improved waste management
$900,000	Water Main Leak Detection Survey and Condition Assessment	Water system enhancements throu detection and pipe assessments

Sent from my iPhone

On Sep 29, 2015, at 3:00 PM, Stanton, Terry A. (Treasury) <StantonT@michigan.gov> wrote:

> See the attached press release...noting Flint's awards (2).
>
> The writeup below was included in Flint Water Talking Points from last winter.
>
> **The City has received significant financial assistance through both grant programs and bond restructuring initiatives administered by the MI Department of Treasury. This financial assistance has allowed the City to replace miles of aged pipeline and begin efforts to install a specialized filter at the Water Treatment Plant.**
>
> **In February, Flint was awarded a total of $2 million through two *Financially Distressed Cities, Villages, and Townships Grants*. $1.1 million was awarded for water system enhancements through improved waste management while $900,000 was awarded for water system enhancements through leak detection and pipe assessments.**

From: Saxton, Thomas (Treasury)
Sent: Tuesday, September 29, 2015 2:53 PM
To: Koryzno, Edward (Treasury) <KoryznoE@michigan.gov>; Cole, Evah (Treasury) <ColeE@michigan.gov>
Cc: Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>; Stanton, Terry A. (Treasury) <StantonT@michigan.gov>; Pleyte, Beth (Treasury) <PleyteB@michigan.gov>; Dempkowski, Angela (Treasury) <DempkowskiA@michigan.gov>
Subject: FW: FDCVT

> Do we know whether Flint has yet applied for any of these $s ? Do we know if they have plans to? And have they asked (& rec'd) $s from

this program previously i.e., last year. [knowing that it hasn't been going that long]. If so, what did they use those $s for.

Finally, if they hadn't applied yet... given the current Flint water situation;
Could they use these grant funds to purchase filters for individual residents for use in their homes ?

If you can get back to me quickly I would appreciate it. Thanks

<FDCVT Grant Awards 2-3-15.pdf>

From: Saxton, Thomas (Treasury)
Sent: Thursday, October 01, 2015 12:15 PM
To: Muchmore, Dennis (GOV)
Cc: Clement, Elizabeth (GOV); Workman, Wayne (TREASURY); Durfee, Sally (TREASURY); Stanton, Terry A. (Treasury)
Subject: RE: FDCVT - Flint

I am following up… do you want us to have our staff reach out to the City & submit another or revised grant application ?

From: Saxton, Thomas (Treasury)
Sent: Wednesday, September 30, 2015 9:03 AM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Cc: Clement, Elizabeth (GOV) <clemente@michigan.gov>; Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>
Subject: RE: FDCVT - Flint

To be honest I am not sure… I don't have the history/background to know whether we would actually turn them/communities down (& we might) if they can't fully fund their project. I am sure that area (assessing) is in chaos as well in Flint.
If that were the case i.e., we would say no to the assessing project; then yes in terms of the switch to water related projects. I think the number I heard yesterday was 10,000-15,000 filters for $250k. Or maybe you create a program to replace the curb-to-home lead piping.

The call with Flint got cancelled today. They are not available now at that time.

From: Muchmore, Dennis (GOV)
Sent: Wednesday, September 30, 2015 8:47 AM
To: Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>
Cc: Clement, Elizabeth (GOV) <clemente@michigan.gov>
Subject: RE: FDCVT - Flint

Thanks. Are you suggesting they modify their request to one that asks for money for filters instead of the assessing since the assessing cost exceeds the grant and they couldn't do the project anyway?

From: Saxton, Thomas (Treasury)
Sent: Tuesday, September 29, 2015 5:34 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Cc: Clement, Elizabeth (GOV) <clemente@michigan.gov>
Subject: FW: FDCVT - Flint

> One of my 'take-aways' from the meeting this afternoon was to follow up on whether they could use those Distressed Cities' $s for filters. Remember last year they did receive $2mm which they used for water related items. This year they want funds for the property assessing area. Their project cost is more than the grant limit. It is not clear they realize that. The deadline application is Oct 15 if they were willing to change the application. Assuming that is doable.

With Wayne away (and before the 1:00 mtg)... a call was set up actually earlier today with Natasha Henderson. Do you care if we still do that ? The email setting it up is attached. Obviously we are not going to commit to anything.

Let me know if you need anything else.

From: Cole, Evah (Treasury)
Sent: Tuesday, September 29, 2015 4:20 PM
To: Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>
Cc: Koryzno, Edward (Treasury) <KoryznoE@michigan.gov>; Pleyte, Beth (Treasury) <PleyteB@michigan.gov>; Dempkowski, Angela (Treasury) <DempkowskiA@michigan.gov>; Kolka, Carolyn (Treasury) <KolkaC@michigan.gov>; Stanton, Terry A. (Treasury) <StantonT@michigan.gov>; Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>
Subject: RE: FDCVT - Flint

Tom,

Below are the answers to your questions. If you have any further questions, let us know. Thank you.

Do we know whether Flint has yet applied for any of these (FDCVT) $s ?
ANSWER: We received an application from the City of Flint on September 17th. The amount requested for the project is $2M (the limit for a local unit) and it is estimated to take $3.1M to complete the entire project. They also indicated that if full funding is not awarded, it is doubtful that they will be able to move forward with the project. The proposed project is:

"The city proposes to hire a qualified contractor to provide property assessing services. Specifically, this contractor will create digital property sketches of all improved properties, evaluate existing property conditions and improvements by providing real property data verification, and conduct a comprehensive appraisal valuation study. This process will take place over a period of 3 years, from June 1, 2016 to July 1, 2019."

Do we know if they have plans to?
ANSWER: Since they asked for the entire $2M for the above project, we would assume they are not submitting any further projects, however we are not sure.

And have they asked (& rec'd) $s from this program previously i.e., last year, and if so, what did they use those $s for?
ANSWER: Treasury awarded Flint two grants in FY 2015 under the FDCVT program. Treasury has not yet received any reimbursement requests from the City. Therefore, we have not distributed any of the FDCVT grant related funds to the City. The two grants are:

Awarded	Project Name	Brief Description
$1,100,000	Water Pollution Control Incinerator Shutdown	Water system enhancements through improved waste management
$900,000	Water Main Leak Detection Survey and Condition Assessment	Water system enhancements through leak detection and pipe assessments

Sent from my iPhone

On Sep 29, 2015, at 3:00 PM, Stanton, Terry A. (Treasury) <StantonT@michigan.gov> wrote:

See the attached press release...noting Flint's awards (2).

The writeup below was included in Flint Water Talking Points from last winter.

The City has received significant financial assistance through both grant programs and bond restructuring initiatives administered by the MI Department of Treasury. This financial assistance has allowed the City to replace miles of aged pipeline and begin efforts to install a specialized filter at the Water Treatment Plant.

In February, Flint was awarded a total of $2 million through two *Financially Distressed Cities, Villages, and Townships Grants*. $1.1 million was awarded for water system enhancements through improved waste management while $900,000 was awarded for water system enhancements through leak detection and pipe assessments.

From: Saxton, Thomas (Treasury)
Sent: Tuesday, September 29, 2015 2:53 PM
To: Koryzno, Edward (Treasury) <KoryznoE@michigan.gov>; Cole, Evah (Treasury) <ColeE@michigan.gov>
Cc: Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>; Stanton, Terry A. (Treasury) <StantonT@michigan.gov>; Pleyte, Beth (Treasury) <PleyteB@michigan.gov>; Dempkowski, Angela (Treasury) <DempkowskiA@michigan.gov>
Subject: FW: FDCVT

Do we know whether Flint has yet applied for any of these $s ? Do we know if they have plans to? And have they asked (& rec'd) $s from this program previously i.e., last year. [knowing that it hasn't been going that long]. If so, what did they use those $s for.

Finally, if they hadn't applied yet... given the current Flint water situation;
Could they use these grant funds to purchase filters for individual residents for use in their homes ?

If you can get back to me quickly I would appreciate it. Thanks

<FDCVT Grant Awards 2-3-15.pdf>

From: Saxton, Thomas (Treasury)
Sent: Thursday, October 01, 2015 12:17 PM
To: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Khouri, Nick (TREASURY)
Cc: Stanton, Terry A. (Treasury)
Subject: FW: Flint update

Just fyi

From: Byrne, Randall (Treasury)
Sent: Thursday, October 01, 2015 10:30 AM
To: Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>
Cc: Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>; Schafer, Suzanne K. (Treasury) <SchaferS7@michigan.gov>
Subject: Flint update

Wayne:

The local television station reported this morning that the Flint Finance Director informed the City Council last night that they project a deficit of $14M in their Water and Sewer Fund at year end. I spoke to Natasha this morning and requested a copy of their budget report and a cash flow analysis to verify this information. I should have this information today.

Randy,

Randall Byrne | State Administrative Manager
Local Government Services - Office of Fiscal Responsibility
State of Michigan | 430 W. Allegan Street, 3rd Floor | Lansing, MI 48922
(517) 335-2521 | (517) 373-0633 (fax) | ByrneR1@michigan.gov

Think Green! Don't print this e-mail unless you need to.

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, is for the sole use of the intended recipient(s) and may contain information that is confidential and protected from disclosure under the law. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail, and delete/destroy all copies of the original message and attachments.

From: Muchmore, Dennis (GOV)
Sent: Thursday, October 01, 2015 12:36 PM
To: Saxton, Thomas (Treasury)
Cc: Clement, Elizabeth (GOV); Workman, Wayne (TREASURY); Durfee, Sally (TREASURY); Stanton, Terry A. (Treasury)
Subject: RE: FDCVT - Flint

I think we have the cost of the filters now covered.

From: Saxton, Thomas (Treasury)
Sent: Thursday, October 1, 2015 12:15 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Cc: Clement, Elizabeth (GOV) <clemente@michigan.gov>; Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>; Durfee, Sally (TREASURY) <DurfeeS1@michigan.gov>; Stanton, Terry A. (Treasury) <StantonT@michigan.gov>
Subject: RE: FDCVT - Flint

I am following up… do you want us to have our staff reach out to the City & submit another or revised grant application ?

From: Saxton, Thomas (Treasury)
Sent: Wednesday, September 30, 2015 9:03 AM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Cc: Clement, Elizabeth (GOV) <clemente@michigan.gov>; Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>
Subject: RE: FDCVT - Flint

To be honest I am not sure… I don't have the history/background to know whether we would actually turn them/communities down (& we might) if they can't fully fund their project. I am sure that area (assessing) is in chaos as well in Flint.
If that were the case i.e., we would say no to the assessing project; then yes in terms of the switch to water related projects. I think the number I heard yesterday was 10,000-15,000 filters for $250k. Or maybe you create a program to replace the curb-to-home lead piping.

The call with Flint got cancelled today. They are not available now at that time.

From: Muchmore, Dennis (GOV)
Sent: Wednesday, September 30, 2015 8:47 AM
To: Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>
Cc: Clement, Elizabeth (GOV) <clemente@michigan.gov>
Subject: RE: FDCVT - Flint

Thanks. Are you suggesting they modify their request to one that asks for money for filters instead of the assessing since the assessing cost exceeds the grant and they couldn't do the project anyway?

From: Saxton, Thomas (Treasury)
Sent: Tuesday, September 29, 2015 5:34 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>

Cc: Clement, Elizabeth (GOV) <clemente@michigan.gov>
Subject: FW: FDCVT - Flint

One of my 'take-aways' from the meeting this afternoon was to follow up on whether they could use those Distressed Cities' $s for filters. Remember last year they did receive $2mm which they used for water related items. This year they want funds for the property assessing area. Their project cost is more than the grant limit. It is not clear they realize that. The deadline application is Oct 15 if they were willing to change the application. Assuming that is doable.

With Wayne away (and before the 1:00 mtg)... a call was set up actually earlier today with Natasha Henderson. Do you care if we still do that ? The email setting it up is attached. Obviously we are not going to commit to anything.

Let me know if you need anything else.

From: Cole, Evah (Treasury)
Sent: Tuesday, September 29, 2015 4:20 PM
To: Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>
Cc: Koryzno, Edward (Treasury) <KoryznoE@michigan.gov>; Pleyte, Beth (Treasury) <PleyteB@michigan.gov>; Dempkowski, Angela (Treasury) <DempkowskiA@michigan.gov>; Kolka, Carolyn (Treasury) <KolkaC@michigan.gov>; Stanton, Terry A. (Treasury) <StantonT@michigan.gov>; Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>
Subject: RE: FDCVT - Flint

Tom,

Below are the answers to your questions. If you have any further questions, let us know. Thank you.

Do we know whether Flint has yet applied for any of these (FDCVT) $s ?
ANSWER: We received an application from the City of Flint on September 17th. The amount requested for the project is $2M (the limit for a local unit) and it is estimated to take $3.1M to complete the entire project. They also indicated that if full funding is not awarded, it is doubtful that they will be able to move forward with the project. The proposed project is:

"The city proposes to hire a qualified contractor to provide property assessing services. Specifically, this contractor will create digital property sketches of all improved properties, evaluate existing property conditions and improvements by providing real property data verification, and conduct a comprehensive appraisal valuation study. This process will take place over a period of 3 years, from June 1, 2016 to July 1, 2019."

Do we know if they have plans to?
ANSWER: Since they asked for the entire $2M for the above project, we would assume they are not submitting any further projects, however we are not sure.

And have they asked (& rec'd) $s from this program previously i.e., last year, and if so, what did they use those $s for?
ANSWER: Treasury awarded Flint two grants in FY 2015 under the FDCVT program. Treasury has not yet received any reimbursement requests from the City. Therefore, we have not distributed any of the FDCVT grant related funds to the City. The two grants are:

Awarded	Project Name	Brief Description
$1,100,000	Water Pollution Control Incinerator Shutdown	Water system enhancements through

		improved waste management
$900,000	Water Main Leak Detection Survey and Condition Assessment	Water system enhancements through leak detection and pipe assessments

Sent from my iPhone

On Sep 29, 2015, at 3:00 PM, Stanton, Terry A. (Treasury) <StantonT@michigan.gov> wrote:

> See the attached press release…noting Flint's awards (2).
>
> The writeup below was included in Flint Water Talking Points from last winter.
>
> **The City has received significant financial assistance through both grant programs and bond restructuring initiatives administered by the MI Department of Treasury. This financial assistance has allowed the City to replace miles of aged pipeline and begin efforts to install a specialized filter at the Water Treatment Plant.**
>
> **In February, Flint was awarded a total of $2 million through two *Financially Distressed Cities, Villages, and Townships Grants*. $1.1 million was awarded for water system enhancements through improved waste management while $900,000 was awarded for water system enhancements through leak detection and pipe assessments.**
>
> ---
>
> **From:** Saxton, Thomas (Treasury)
> **Sent:** Tuesday, September 29, 2015 2:53 PM
> **To:** Koryzno, Edward (Treasury) <KoryznoE@michigan.gov>; Cole, Evah (Treasury) <ColeE@michigan.gov>
> **Cc:** Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>; Stanton, Terry A. (Treasury) <StantonT@michigan.gov>; Pleyte, Beth (Treasury) <PleyteB@michigan.gov>; Dempkowski, Angela (Treasury) <DempkowskiA@michigan.gov>
> **Subject:** FW: FDCVT
>
> Do we know whether Flint has yet applied for any of these $s ? Do we know if they have plans to? And have they asked (& rec'd) $s from this program previously i.e., last year. [knowing that it hasn't been going that long]. If so, what did they use those $s for.
>
> Finally, if they hadn't applied yet… given the current Flint water situation;
> Could they use these grant funds to purchase filters for individual residents for use in their homes ?
>
> If you can get back to me quickly I would appreciate it. Thanks
>
> <FDCVT Grant Awards 2-3-15.pdf>

From: Workman, Wayne (TREASURY)
Sent: Thursday, October 01, 2015 2:15 PM
To: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Durfee, Sally (TREASURY); Khouri, Nick (TREASURY)
Cc: Saxton, Thomas (Treasury); Stanton, Terry A. (Treasury)
Subject: Fwd: Flint update

Follow Up Flag: Follow up
Flag Status: Completed

So we don't forget the money; Flint is now running a $14,000,000 deficit in the WaterFund due to two lawsuits that have gone against the City. It has reduced what they can bill some folks have stopped paying believing they will be getting big credits or refunds. Also water cont be shut off for nonpayment under one suit

Sent from my iPhone

Begin forwarded message:

> **From:** "Byrne, Randall (Treasury)" <ByrneR1@michigan.gov>
> **Date:** October 1, 2015 at 10:29:51 AM EDT
> **To:** "Workman, Wayne (TREASURY)" <WorkmanW@michigan.gov>
> **Cc:** "Saxton, Thomas (Treasury)" <SaxtonT@michigan.gov>, "Schafer, Suzanne K. (Treasury)" <SchaferS7@michigan.gov>
> **Subject: Flint update**
>
> Wayne:
>
> The local television station reported this morning that the Flint Finance Director informed the City Council last night that they project a deficit of $14M in their Water and Sewer Fund at year end. I spoke to Natasha this morning and requested a copy of their budget report and a cash flow analysis to verify this information. I should have this information today.
>
> Randy,

Randall Byrne | State Administrative Manager
Local Government Services - Office of Fiscal Responsibility
State of Michigan | 430 W. Allegan Street, 3rd Floor | Lansing, MI 48922
(517) 335-2521 | (517) 373-0633 (fax) | ByrneR1@michigan.gov

Think Green! Don't print this e-mail unless you need to.

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, is for the sole use of the intended recipient(s) and may contain information that is confidential and protected from disclosure under the law. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail, and delete/destroy all copies of the original message and attachments.

From: Microsoft Outlook
To: wisnewskiw@michigan.gov
Sent: Thursday, October 01, 2015 3:19 PM
Subject: Undeliverable: Re: City of Flint - correspondence regarding reconnection to Water Supply System

Delivery has failed to these recipients or groups:
wisnewskiw@michigan.gov (wisnewskiw@michigan.gov)
The e-mail address you entered couldn't be found. Please check the recipient's e-mail address and try to resend the message. If the problem continues, please contact your helpdesk.

Diagnostic information for administrators:
Generating server: HCS084EXHAPI001.som.ad.state.mi.us
wisnewskiw@michigan.gov
#550 5.1.1 RESOLVER.ADR.RecipNotFound; not found ##
Original message headers:
Received: from GOV000EXCHPE005.som.ad.state.mi.us
([fe80::ad2d:32b6:d4a5:f463]) by HCS084EXHAPI001.som.ad.state.mi.us
([fe80::e8a8:3e6d:1fc3:d6c1%19]) with mapi id 14.03.0235.001; Thu, 1 Oct 2015
15:18:33 -0400
Content-Type: application/ms-tnef; name="winmail.dat"
Content-Transfer-Encoding: binary
From: "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>
To: "Baird, Richard (GOV)" <bairdr@michigan.gov>
CC: "wisnewskiw@michigan.gov" <wisnewskiw@michigan.gov>
Subject: Re: City of Flint - correspondence regarding reconnection to Water
Supply System
Thread-Topic: City of Flint - correspondence regarding reconnection to Water
Supply System
Thread-Index: AQHQ+8wjcv3/Sn2g9023hFdTB/LLPp5VpF4LgAFRaNGAAA6OUQ==
Date: Thu, 1 Oct 2015 15:18:33 -0400
Message-ID: <0D9B5440-85D5-4BF4-9FE5-3DC280696B40@michigan.gov>
References: <26030540.89837.1443650648679.JavaMail.root@csf-mail-zimbra.dwsd.org>,<425152679.89848.1443650724998.JavaMail.root@csf-mail-zimbra.dwsd.org>,<592B18C3-ACDD-4EB4-A6AF-2072A3E5E468@oakgov.com>,<241A1CEC9C1D244C87C180A49CBED3A3293D1AF2@GOV000EXCHPE005.som.ad.state.mi.us>
In-Reply-To: <241A1CEC9C1D244C87C180A49CBED3A3293D1AF2@GOV000EXCHPE005.som.ad.state.mi.us>
Accept-Language: en-US
Content-Language: en-US
X-MS-Has-Attach:

X-MS-TNEF-Correlator: <0D9B5440-85D5-4BF4-9FE5-3DC280696B40@michigan.gov>
MIME-Version: 1.0

From: Muchmore, Dennis (GOV)
Sent: Thursday, October 01, 2015 3:19 PM
Subject: Re: City of Flint - correspondence regarding reconnection to Water Supply System

TY

Sent from my iPhone

On Oct 1, 2015, at 2:26 PM, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:

> *Sent from my Verizon Wireless 4G LTE DROID*
> ---------- Forwarded message ----------
> From: "Daddow, Robert J" <daddowr@oakgov.com>
> Date: Sep 30, 2015 6:19 PM
> Subject: Fwd: City of Flint - correspondence regarding reconnection to Water Supply System
> To: "Baird, Richard (GOV)" <bairdr@michigan.gov>
> Cc:
>
> FYI. Received after we talked this pm.
>
> Sent from my iPad
>
> Begin forwarded message:
>
> > **From:** William Wolfson <wolfson@dwsd.org>
> > **Date:** September 30, 2015 at 6:05:24 PM EDT
> > **To:** "McKinnon, Ike" <mckinnonI@detroitmi.gov>, "Brown, Gary" <BrownGary@detroitmi.gov>, "Nardone, Joseph" <Joseph.nardone@wcaa.us>, "Hood, Ed" <edwhood.wc@gmail.com>, "baker, brian" <bbaker@sterling-heights.net>, "Daddow, Robert" <daddowr@oakgov.com>
> > **Cc:** Sue McCormick <mccormick@dwsd.org>
> > **Subject: City of Flint - correspondence regarding reconnection to Water Supply System**
> >
> > Attached is a letter that was sent to the City of Flint today regarding possible reconnection to the Water Supply System in response to an initial inquiry by Ms. Henderson, Flint's City Administrator and Ms. McCormick. As you may imagine the dialog that has begun is at a very preliminary stage, available information may be limited and outdated to some degree, and Ms. Henderson has asked that we not make a public release at this time. With that request in mind, we have asked the communications team to refer all press call to either Ms. McCormick or me. We will keep you updated as this issue develops.

This email and any files transmitted with it are confidential, may be subject to the attorney-client, attorney-work product or other privilege and are intended solely

for the use of the addressee(s). If you are not the named addressee, printing, disclosing, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited; immediately notify the sender, by email reply, if you received this message by mistake, delete the message from your system and destroy any copies.

William M. Wolfson
Chief Administrative and Compliance Officer/

General Counsel
Detroit Water and Sewerage Department
735 Randolph, Room 701
Detroit, MI 48226
Phone: (313) 224-4707
Fax: (313) 842-6510

Michael E. Duggan, Mayor

<City of Flint - September 2015 Letter - Reconnection to DWSD.pdf>

From: Muchmore, Dennis (GOV)
Sent: Thursday, October 01, 2015 4:31 PM
To: Snyder, Rick (GOV)
Cc: Agen, Jarrod (GOV); Posthumus, Dick (GOV); Clement, Elizabeth (GOV); Hollins, Harvey (GOV)
Subject: Flint

Follow Up Flag: Follow up
Flag Status: Completed

I talked with Dayne Walling at length today a few minutes ago, and Harvey and I had separate meetings with one of the Flint minister groups and then Rep. Neely. Our conversations were cordial for the most with the normal concerns being expressed. I told Rep. Neely that I felt he hadn't gotten enough respect and insight into our thoughts on this and we expanded our backgrounder for him and he was very appreciative. He actually cancelled a Black Caucus meeting called for today on this due to Harvey and our meeting. I have Dan and Nick calling him just to update.

More importantly, we have the proposal back from DWSD for a reconnect:

1. Short term reconnect is ok until KWA starts operating;
2. No reconnect fee and immediate reconnect;
3. Expenses incurred at actual cost although no estimate at this time
4. A fixed monthly rate of $662,100 + a commodity rate of $8.93mcf for current 15-16 FY;
5. Rate is over and above water sales to Genesee County Drain Commission;
6. A water wholesale adjustment;
7. Only extends to Flint;
8. Rates for 16-17 FY would be the same as other customers.

Mayor Duggan is more than willing to lend his support.

I'm asking Saxton for a ballpark calculation. We would have to find them the money for this reconnect, but Dayne is more than open (as is Ananich to a lesser degree) to finding some revolving fund that they would repay perhaps on an extended basis or maybe using some guarantee to reduce the borrowing costs.

From: Muchmore, Dennis (GOV)
Sent: Friday, October 02, 2015 9:45 AM
To: Dan Wyant; Nick Lyon
Subject: Fwd: Flint

Follow Up Flag: Follow up
Flag Status: Completed

FYI, for your review and knowledge

Begin forwarded message:

From: "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>
Date: October 1, 2015 at 1:30:40 PM PDT
To: "Snyder, Rick (GOV)" <[redacted]>
Cc: "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>, "Posthumus, Dick (GOV)" <Posthumusd@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
Subject: Flint

I talked with Dayne Walling at length today a few minutes ago, and Harvey and I had separate meetings with one of the Flint minister groups and then Rep. Neely. Our conversations were cordial for the most with the normal concerns being expressed. I told Rep. Neely that I felt he hadn't gotten enough respect and insight into our thoughts on this and we expanded our backgrounder for him and he was very appreciative. He actually cancelled a Black Caucus meeting called for today on this due to Harvey and our meeting. I have Dan and Nick calling him just to update.

More importantly, we have the proposal back from DWSD for a reconnect:

1. Short term reconnect is ok until KWA starts operating;
2. No reconnect fee and immediate reconnect;
3. Expenses incurred at actual cost although no estimate at this time
4. A fixed monthly rate of $662,100 + a commodity rate of $8.93mcf for current 15-16 FY;
5. Rate is over and above water sales to Genesee County Drain Commission;
6. A water wholesale adjustment;
7. Only extends to Flint;
8. Rates for 16-17 FY would be the same as other customers.

Mayor Duggan is more than willing to lend his support.

I'm asking Saxton for a ballpark calculation. We would have to find them the money for this reconnect, but Dayne is more than open (as is Ananich to a lesser degree) to finding some revolving fund that they would repay perhaps on an extended basis or maybe using some guarantee to reduce the borrowing costs.

From: Muchmore, Dennis (GOV)
Sent: Monday, October 05, 2015 3:59 PM
To: 'Wurfel, Sara (GOV)'; Hollins, Harvey (GOV); Clement, Elizabeth (GOV); Agen, Jarrod (GOV); Priest, Chris (GOV); Baird, Richard (GOV)
Cc: Murray, David (GOV); Kennedy, Jordan (GOV); Wisniewski, Wendy (GOV); Clayton, Stacie (GOV)
Subject: RE: Release on Flint

What if they are shut ins or can't get there? Where's the relief coming from? Is the Flint Transit Authority willing to extend complimentary transportation? Who is going to explain to the recipients how the filter fits on their faucet?

I know from experience that my wife never grew up building things out of Erector Sets, and she's terrible at reading "part a attaches to part b with two bolts enclosed in the third packet. Don't use the ones marked only for Delta faucets" oh, you get the point.

Just a suggestion from a syntax point of view, the construction of the first sentence appears to allow anyone who is a DHHS client and anyone who is a Flint resident to receive a water filter. It isn't clear that it applies to a person who is a Flint resident who receives public assistance and not to other Flint residents. Secondly, don't forget that other Flint residents also should be entitled to a water filter and although the press release is about DHHS clients, we don't want to create additional confusion. A throw-away line about the other residents might be wise.

From: Wurfel, Sara (GOV)
Sent: Monday, October 5, 2015 3:42 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Priest, Chris (GOV) <PriestC1@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>
Cc: Murray, David (GOV) <MurrayD1@michigan.gov>; Kennedy, Jordan (GOV) <Kennedyj4@michigan.gov>; Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>; Clayton, Stacie (GOV) <claytons3@michigan.gov>
Subject: FW: Release on Flint
Importance: High

Talked at length with Geralyn about this just now. Think is a good thing, and shows immediate follow up from action steps announced Friday. Added bonus is that it should be pretty easy for Flint clients and residents and have a "no wrong door" approach too just in case. Please see attached and below.

This is slated for distribution at 4 p.m. Need to hear if any concerns from anyone ASAP.

Otherwise, it's a go.

Thanks much,
SW

From: Lasher, Geralyn (DHHS)
Sent: Monday, October 05, 2015 3:19 PM
To: Wurfel, Brad (DEQ) <WurfelB@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Priest, Chris (GOV) <PriestC1@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>

Cc: Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>; Minicuci, Angela (DHHS) <MinicuciA@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Hertel, Elizabeth (DHHS) <HertelE@michigan.gov>
Subject: Release on Flint
Importance: High

Attached is the draft release we would like to issue ASAP regarding the new plan for water filter distribution in the city of Flint.

At a meeting with multiple community partners today, our local MDHHS office realized they could do distribution from the 2 Flint offices as long as the local community action agency could assist them in storing the larger quantities of filters.

Locally, the groups will be issuing a press release from the local health department discussing distribution, but we feel it is important to also send this from MDHHS.

We are happy to discuss this with Ron Fonger if you want him to be the first press call we make once we issue it.

From: Muchmore, Dennis (GOV)
Sent: Tuesday, February 03, 2015 9:25 AM
To: Saxton, Thomas (Treasury)
Cc: Clement, Elizabeth (GOV); Stanton, Terry A. (Treasury)
Subject: Re: Flint water

Sounds like the best solution. In essence you are extending the maturity because it extends the debt repayment schedule.

On Jan 30, 2015, at 4:43 PM, Saxton, Thomas (Treasury) <SaxtonT@michigan.gov> wrote:

> We (Treasury) think we can restructure the drinking water loans the City currently has. Essentially this means deferring the upcoming April & Oct principle payts. [We can't forgive their loans nor extend the maturities].
>
> I am rounding the numbers… originally they had 4 loans totally $40+mm. The current amt outstanding is about $20mm. The cash benefit of deferring the principle payts is approx. $2.1mm.
>
> I had talked to Jerry A. re where they would use the money. One possibility would be the consultant they are looking hire. The other is to pay for that pipeline replacement he talked about.
>
> I talked to Jim Sygo @ DEQ to see if they had any issues because they are responsible for the program side. He checked with his staff. They had some concerns about opening up 'Pandora's Box' i.e., other distress communities would want to do this. But at the end of the day I think they would ok the deferral particularly if you (the Gov's office) supported it. Jim had left me a v-mail so I can get back to him Monday to really confirm.

From: Muchmore, Dennis (GOV)
Sent: Tuesday, February 03, 2015 12:39 PM
To: Saxton, Thomas (Treasury)
Cc: Clement, Elizabeth (GOV); Stanton, Terry A. (Treasury)
Subject: Re: Flint water

Got it.

Sent from my iPhone

On Feb 3, 2015, at 11:47 AM, Saxton, Thomas (Treasury) <SaxtonT@michigan.gov> wrote:

> No, we are not extending the maturity. We are simply making them pay more in a later timeframe.
>
> **From:** Muchmore, Dennis (GOV)
> **Sent:** Tuesday, February 03, 2015 9:25 AM
> **To:** Saxton, Thomas (Treasury)
> **Cc:** Clement, Elizabeth (GOV); Stanton, Terry A. (Treasury)
> **Subject:** Re: Flint water
>
> Sounds like the best solution. In essence you are extending the maturity because it extends the debt repayment schedule.
>
> On Jan 30, 2015, at 4:43 PM, Saxton, Thomas (Treasury) <SaxtonT@michigan.gov> wrote:
>
> > We (Treasury) think we can restructure the drinking water loans the City currently has. Essentially this means deferring the upcoming April & Oct principle payts. [We can't forgive their loans nor extend the maturities].
> >
> > I am rounding the numbers… originally they had 4 loans totally $40+mm. The current amt outstanding is about $20mm. The cash benefit of deferring the principle payts is approx. $2.1mm.
> >
> > I had talked to Jerry A. re where they would use the money. One possibility would be the consultant they are looking hire. The other is to pay for that pipeline replacement he talked about.
> >
> > I talked to Jim Sygo @ DEQ to see if they had any issues because they are responsible for the program side. He checked with his staff. They had some concerns about opening up 'Pandora's Box' i.e., other distress communities would want to do this. But at the end of the day I think they
> > would ok the deferral particularly if you (the Gov's office) supported it. Jim had left me a v-mail so I can get back to him Monday to really confirm.

From: Muchmore, Dennis (GOV)
Sent: Wednesday, February 11, 2015 9:12 AM
To: Saxton, Thomas (Treasury); Hollins, Harvey (GOV)
Cc: Workman, Wayne (TREASURY); Stanton, Terry A. (Treasury); Clement, Elizabeth (GOV)
Subject: RE: PRESS RELEASE: Water Consultant Announcement

I need something more substantive that we can get to the community about the rates and costs today.

From: Saxton, Thomas (Treasury)
Sent: Wednesday, February 11, 2015 6:09 AM
To: Muchmore, Dennis (GOV); Hollins, Harvey (GOV)
Cc: Workman, Wayne (TREASURY); Stanton, Terry A. (Treasury); Clement, Elizabeth (GOV)
Subject: Fwd: PRESS RELEASE: Water Consultant Announcement

see the press release below re the water consultant. In the conversation Wayne & I had with Jerry late yesterday they are apparently planning a public forum mtg of some type next week to share preliminary results of the consultant's work. Veolia has already been doing some work on this.

Begin forwarded message:

> **From:** Gerald Ambrose <gambrose@cityofflint.com>
> **Date:** February 10, 2015 at 9:13:45 PM EST
> **To:** "Thomas Saxton (Treasury)" <SaxtonT@michigan.gov>, "Wayne Workman (TREASURY)" <workmanw@michigan.gov>
> **Subject: Fwd: PRESS RELEASE: Water Consultant Announcement**
>
> Just in case you did not see this. Had a roundtable with media and Veolia.
>
> ---------- Forwarded message ----------
> From: "Jason Lorenz" <jlorenz@cityofflint.com>
> Date: Feb 10, 2015 2:56 PM
> Subject: PRESS RELEASE: Water Consultant Announcement
> To:
> Cc:
>
> **For Immediate Release**

Flint Hires International Urban Water Experts of

Veolia North America to Assess City's Water Issues

Flint, Michigan – February 10, 2015 – The City of Flint has retained a team of urban water experts from Veolia North America to conduct an analysis of the city's water system. Veolia, which is the world's largest water services and technology company, will assess how Flint's water is tested and distributed, including reviewing water treatment processes and operations, laboratory testing and analysis, and engineering reports that detail the city's treatment and distribution systems.

"We understand the frustration and urgency in Flint," said David Gadis, vice president of Veolia North America's Municipal & Commercial Business. "We are honored to support your community with our technical expertise so that together we can ensure water quality for the people of the city of Flint."

Veolia anticipates its analysis to take less than two weeks, at which time they will present findings to City officials, including the Mayor, City Council and the Emergency Manager. Once the findings are presented, city officials will determine how to move forward.

"Addressing the City's water challenges are the top priority right now and it is important to bring in an independent, highly qualified team to work with us to address the safety and quality issues," said Mayor Dayne Walling.

"Until we have completed our analysis, we cannot say for certain how long it will take to provide solutions to Flint's current water situation," said Gadis. "We have extensive experience handling challenging river water sources, reducing leaks and contaminants and in managing discolored water."

"Veolia worked diligently to respond to our Request For Proposal in a thorough, professional way and demonstrated the ability to immediately support us as we ensure safe, clean water for our residents," said Emergency Manager Jerry Ambrose.

The Veolia team hit the ground running Tuesday morning, meeting with water officials to provide an overview of the work to be conducted. "We look forward to helping Flint's team find ways to address and improve the city's drinking water operation," Gadis said.

The company designs and provides water, waste and energy management solutions to communities and industries across the country, including providing water and wastewater

services to 530 communities in North America. More information is available at www.veolianorthamerica.com.

–END–

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

From: Muchmore, Dennis (GOV)
Sent: Wednesday, February 11, 2015 4:14 PM
To: [redacted]
Subject: Fwd: PRESS RELEASE: Water Consultant Announcement
Attachments: Water Consultant Announcement 2.10.15.pdf; ATT00001.htm

For your meeting tonight

Begin forwarded message:

> **From:** "Saxton, Thomas (Treasury)" <SaxtonT@michigan.gov>
> **Date:** February 11, 2015 at 6:09:26 AM EST
> **To:** "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
> **Cc:** "Workman, Wayne (TREASURY)" <WorkmanW@michigan.gov>, "Stanton, Terry A. (Treasury)" <StantonT@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>
> **Subject: Fwd: PRESS RELEASE: Water Consultant Announcement**
>
> see the press release below re the water consultant. In the conversation Wayne & I had with Jerry late yesterday they are apparently planning a public forum mtg of some type next week to share preliminary results of the consultant's work. Veolia has already been doing some work on this.
>
> Begin forwarded message:
>
> > **From:** Gerald Ambrose <gambrose@cityofflint.com>
> > **Date:** February 10, 2015 at 9:13:45 PM EST
> > **To:** "Thomas Saxton (Treasury)" <SaxtonT@michigan.gov>, "Wayne Workman (TREASURY)" <workmanw@michigan.gov>
> > **Subject: Fwd: PRESS RELEASE: Water Consultant Announcement**
> >
> > Just in case you did not see this. Had a roundtable with media and Veolia.
> >
> > ---------- Forwarded message ----------
> > From: "Jason Lorenz" <jlorenz@cityofflint.com>
> > Date: Feb 10, 2015 2:56 PM
> > Subject: PRESS RELEASE: Water Consultant Announcement
> > To:
> > Cc:
> >
> > **For Immediate Release**

Flint Hires International Urban Water Experts of Veolia North America to Assess City's Water Issues

Flint, Michigan – February 10, 2015 – The City of Flint has retained a team of urban water experts from Veolia North America to conduct an analysis of the city's water system. Veolia, which is the world's largest water services and technology company, will assess how Flint's water is tested and distributed, including reviewing water treatment processes and operations, laboratory testing and analysis, and engineering reports that detail the city's treatment and distribution systems.

"We understand the frustration and urgency in Flint," said David Gadis, vice president of Veolia North America's Municipal & Commercial Business. "We are honored to support your community with our technical expertise so that together we can ensure water quality for the people of the city of Flint."

Veolia anticipates its analysis to take less than two weeks, at which time they will present findings to City officials, including the Mayor, City Council and the Emergency Manager. Once the findings are presented, city officials will determine how to move forward.

"Addressing the City's water challenges are the top priority right now and it is important to bring in an independent, highly qualified team to work with us to address the safety and quality issues," said Mayor Dayne Walling.

"Until we have completed our analysis, we cannot say for certain how long it will take to provide solutions to Flint's current water situation," said Gadis. "We have extensive experience handling challenging river water sources, reducing leaks and contaminants and in managing discolored water."

"Veolia worked diligently to respond to our Request For Proposal in a thorough, professional way and demonstrated the ability to immediately support us as we ensure safe, clean water for our residents," said Emergency Manager Jerry Ambrose.

The Veolia team hit the ground running Tuesday morning, meeting with water officials to provide an overview of the work to be conducted. "We look forward to helping Flint's team find ways to address and improve the city's drinking water operation," Gadis said.

The company designs and provides water, waste and energy management solutions to communities and industries across the country, including providing water and wastewater services to 530 communities in North America. More information is available at www.veolianorthamerica.com.

–END–

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

Jason Lorenz
Public Information Officer
(810) 237-2039
jlorenz@cityofflint.com

For Immediate Release

Flint Hires International Urban Water Experts of Veolia North America to Assess City's Water Issues

Flint, Michigan – February 10, 2015 – The City of Flint has retained a team of urban water experts from Veolia North America to conduct an analysis of the city's water system. Veolia, which is the world's largest water services and technology company, will assess how Flint's water is tested and distributed, including reviewing water treatment processes and operations, laboratory testing and analysis, and engineering reports that detail the city's treatment and distribution systems.

"We understand the frustration and urgency in Flint," said David Gadis, vice president of Veolia North America's Municipal & Commercial Business. "We are honored to support your community with our technical expertise so that together we can ensure water quality for the people of the city of Flint."

Veolia anticipates its analysis to take less than two weeks, at which time they will present findings to City officials, including the Mayor, City Council and the Emergency Manager. Once the findings are presented, city officials will determine how to move forward.

"Addressing the City's water challenges are the top priority right now and it is important to bring in an independent, highly qualified team to work with us to address the safety and quality issues," said Mayor Dayne Walling.

–CONTINUE–

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

"Until we have completed our analysis, we cannot say for certain how long it will take to provide solutions to Flint's current water situation," said Gadis. "We have extensive experience handling challenging river water sources, reducing leaks and contaminants and in managing discolored water."

"Veolia worked diligently to respond to our Request For Proposal in a thorough, professional way and demonstrated the ability to immediately support us as we ensure safe, clean water for our residents," said Emergency Manager Jerry Ambrose.

The Veolia team hit the ground running Tuesday morning, meeting with water officials to provide an overview of the work to be conducted. "We look forward to helping Flint's team find ways to address and improve the city's drinking water operation," Gadis said.

The company designs and provides water, waste and energy management solutions to communities and industries across the country, including providing water and wastewater services to 530 communities in North America. More information is available at www.veolianorthamerica.com.

–END–

From: Muchmore, Dennis (GOV)
Sent: Wednesday, February 11, 2015 4:24 PM
To: revaco@comcast.com
Subject: Fwd:
Attachments: Fwd: PRESS RELEASE: Water Consultant Announcement

>

From: Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Sent: Wednesday, February 11, 2015 4:14 PM
Subject: Fwd: PRESS RELEASE: Water Consultant Announcement
Attachments: Water Consultant Announcement 2.10.15.pdf; ATT00001.htm

For your meeting tonight

Begin forwarded message:

From: "Saxton, Thomas (Treasury)" <SaxtonT@michigan.gov<mailto:SaxtonT@michigan.gov>>
Date: February 11, 2015 at 6:09:26 AM EST
To: "Muchmore, Dennis (GOV)" <muchmored@michigan.gov<mailto:muchmored@michigan.gov>>, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov<mailto:hollinsh@michigan.gov>>
Cc: "Workman, Wayne (TREASURY)" <WorkmanW@michigan.gov<mailto:WorkmanW@michigan.gov>>, "Stanton, Terry A. (Treasury)" <StantonT@michigan.gov<mailto:StantonT@michigan.gov>>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov<mailto:clemente@michigan.gov>>
Subject: Fwd: PRESS RELEASE: Water Consultant Announcement

see the press release below re the water consultant. In the conversation Wayne & I had with Jerry late yesterday they are apparently planning a public forum mtg of some type next week to share preliminary results of the consultant's work. Veolia has already been doing some work on this.

Begin forwarded message:

From: Gerald Ambrose <gambrose@cityofflint.com<mailto:gambrose@cityofflint.com>>
Date: February 10, 2015 at 9:13:45 PM EST
To: "Thomas Saxton (Treasury)" <SaxtonT@michigan.gov<mailto:SaxtonT@michigan.gov>>, "Wayne Workman (TREASURY)" <workmanw@michigan.gov<mailto:workmanw@michigan.gov>>
Subject: Fwd: PRESS RELEASE: Water Consultant Announcement

Just in case you did not see this. Had a roundtable with media and Veolia.

---------- Forwarded message ----------
From: "Jason Lorenz" <jlorenz@cityofflint.com<mailto:jlorenz@cityofflint.com>>
Date: Feb 10, 2015 2:56 PM
Subject: PRESS RELEASE: Water Consultant Announcement
To:
Cc:

For Immediate Release

Flint Hires International Urban Water Experts of Veolia North America to Assess City's Water Issues

Flint, Michigan – February 10, 2015 – The City of Flint has retained a team of urban water experts from Veolia North America to conduct an analysis of the city's water system. Veolia, which is the world's largest water services and

technology company, will assess how Flint's water is tested and distributed, including reviewing water treatment processes and operations, laboratory testing and analysis, and engineering reports that detail the city's treatment and distribution systems.

"We understand the frustration and urgency in Flint," said David Gadis, vice president of Veolia North America's Municipal & Commercial Business. "We are honored to support your community with our technical expertise so that together we can ensure water quality for the people of the city of Flint."

Veolia anticipates its analysis to take less than two weeks, at which time they will present findings to City officials, including the Mayor, City Council and the Emergency Manager. Once the findings are presented, city officials will determine how to move forward.

"Addressing the City's water challenges are the top priority right now and it is important to bring in an independent, highly qualified team to work with us to address the safety and quality issues," said Mayor Dayne Walling.

"Until we have completed our analysis, we cannot say for certain how long it will take to provide solutions to Flint's current water situation," said Gadis. "We have extensive experience handling challenging river water sources, reducing leaks and contaminants and in managing discolored water."

"Veolia worked diligently to respond to our Request For Proposal in a thorough, professional way and demonstrated the ability to immediately support us as we ensure safe, clean water for our residents," said Emergency Manager Jerry Ambrose.

The Veolia team hit the ground running Tuesday morning, meeting with water officials to provide an overview of the work to be conducted. "We look forward to helping Flint's team find ways to address and improve the city's drinking water operation," Gadis said.

The company designs and provides water, waste and energy management solutions to communities and industries across the country, including providing water and wastewater services to 530 communities in North America. More information is available at www.veolianorthamerica.com<http://www.veolianorthamerica.com>.

–END–

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com<mailto:jlorenz@cityofflint.com>

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

Jason Lorenz
Public Information Officer
(810) 237-2039
jlorenz@cityofflint.com

For Immediate Release

Flint Hires International Urban Water Experts of Veolia North America to Assess City's Water Issues

Flint, Michigan – February 10, 2015 – The City of Flint has retained a team of urban water experts from Veolia North America to conduct an analysis of the city's water system. Veolia, which is the world's largest water services and technology company, will assess how Flint's water is tested and distributed, including reviewing water treatment processes and operations, laboratory testing and analysis, and engineering reports that detail the city's treatment and distribution systems.

"We understand the frustration and urgency in Flint," said David Gadis, vice president of Veolia North America's Municipal & Commercial Business. "We are honored to support your community with our technical expertise so that together we can ensure water quality for the people of the city of Flint."

Veolia anticipates its analysis to take less than two weeks, at which time they will present findings to City officials, including the Mayor, City Council and the Emergency Manager. Once the findings are presented, city officials will determine how to move forward.

"Addressing the City's water challenges are the top priority right now and it is important to bring in an independent, highly qualified team to work with us to address the safety and quality issues," said Mayor Dayne Walling.

–CONTINUE–

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

"Until we have completed our analysis, we cannot say for certain how long it will take to provide solutions to Flint's current water situation," said Gadis. "We have extensive experience handling challenging river water sources, reducing leaks and contaminants and in managing discolored water."

"Veolia worked diligently to respond to our Request For Proposal in a thorough, professional way and demonstrated the ability to immediately support us as we ensure safe, clean water for our residents," said Emergency Manager Jerry Ambrose.

The Veolia team hit the ground running Tuesday morning, meeting with water officials to provide an overview of the work to be conducted. "We look forward to helping Flint's team find ways to address and improve the city's drinking water operation," Gadis said.

The company designs and provides water, waste and energy management solutions to communities and industries across the country, including providing water and wastewater services to 530 communities in North America. More information is available at www.veolianorthamerica.com.

–END–

From: Muchmore, Dennis (GOV)
Sent: Wednesday, February 11, 2015 4:55 PM
To: revaco@comcast.net
Subject: Fwd: Delivery Final Failure Notice
Attachments: Fwd: PRESS RELEASE: Water Consultant Announcement

First of two.

>
>
>

From: Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Sent: Wednesday, February 11, 2015 4:14 PM
Subject: [redacted]: Water Consultant Announcement
Attachments: Water Consultant Announcement 2.10.15.pdf; ATT00001.htm

For your meeting tonight

Begin forwarded message:

From: "Saxton, Thomas (Treasury)" <SaxtonT@michigan.gov<mailto:SaxtonT@michigan.gov>>
Date: February 11, 2015 at 6:09:26 AM EST
To: "Muchmore, Dennis (GOV)" <muchmored@michigan.gov<mailto:muchmored@michigan.gov>>, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov<mailto:hollinsh@michigan.gov>>
Cc: "Workman, Wayne (TREASURY)" <WorkmanW@michigan.gov<mailto:WorkmanW@michigan.gov>>, "Stanton, Terry A. (Treasury)" <StantonT@michigan.gov<mailto:StantonT@michigan.gov>>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov<mailto:clemente@michigan.gov>>
Subject: Fwd: PRESS RELEASE: Water Consultant Announcement

see the press release below re the water consultant. In the conversation Wayne & I had with Jerry late yesterday they are apparently planning a public forum mtg of some type next week to share preliminary results of the consultant's work. Veolia has already been doing some work on this.

Begin forwarded message:

From: Gerald Ambrose <gambrose@cityofflint.com<mailto:gambrose@cityofflint.com>>
Date: February 10, 2015 at 9:13:45 PM EST
To: "Thomas Saxton (Treasury)" <SaxtonT@michigan.gov<mailto:SaxtonT@michigan.gov>>, "Wayne Workman (TREASURY)" <workmanw@michigan.gov<mailto:workmanw@michigan.gov>>
Subject: Fwd: PRESS RELEASE: Water Consultant Announcement

Just in case you did not see this. Had a roundtable with media and Veolia.

---------- Forwarded message ----------
From: "Jason Lorenz" <jlorenz@cityofflint.com<mailto:jlorenz@cityofflint.com>>
Date: Feb 10, 2015 2:56 PM
Subject: PRESS RELEASE: Water Consultant Announcement
To:
Cc:

For Immediate Release

Flint Hires International Urban Water Experts of Veolia North America to Assess City's Water Issues

Flint, Michigan – February 10, 2015 – The City of Flint has retained a team of urban water experts from Veolia North America to conduct an analysis of the city's water system. Veolia, which is the world's largest water services and

technology company, will assess how Flint's water is tested and distributed, including reviewing water treatment processes and operations, laboratory testing and analysis, and engineering reports that detail the city's treatment and distribution systems.

"We understand the frustration and urgency in Flint," said David Gadis, vice president of Veolia North America's Municipal & Commercial Business. "We are honored to support your community with our technical expertise so that together we can ensure water quality for the people of the city of Flint."

Veolia anticipates its analysis to take less than two weeks, at which time they will present findings to City officials, including the Mayor, City Council and the Emergency Manager. Once the findings are presented, city officials will determine how to move forward.

"Addressing the City's water challenges are the top priority right now and it is important to bring in an independent, highly qualified team to work with us to address the safety and quality issues," said Mayor Dayne Walling.

"Until we have completed our analysis, we cannot say for certain how long it will take to provide solutions to Flint's current water situation," said Gadis. "We have extensive experience handling challenging river water sources, reducing leaks and contaminants and in managing discolored water."

"Veolia worked diligently to respond to our Request For Proposal in a thorough, professional way and demonstrated the ability to immediately support us as we ensure safe, clean water for our residents," said Emergency Manager Jerry Ambrose.

The Veolia team hit the ground running Tuesday morning, meeting with water officials to provide an overview of the work to be conducted. "We look forward to helping Flint's team find ways to address and improve the city's drinking water operation," Gadis said.

The company designs and provides water, waste and energy management solutions to communities and industries across the country, including providing water and wastewater services to 530 communities in North America. More information is available at www.veolianorthamerica.com<http://www.veolianorthamerica.com>.

–END–

-Jason Lorenz
Public Information Officer
City of Flint
[redacted]
jlorenz@cityofflint.com<mailto:jlorenz@cityofflint.com>

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

Jason Lorenz
Public Information Officer
(810) 237-2039
jlorenz@cityofflint.com

For Immediate Release

Flint Hires International Urban Water Experts of Veolia North America to Assess City's Water Issues

Flint, Michigan – February 10, 2015 – The City of Flint has retained a team of urban water experts from Veolia North America to conduct an analysis of the city's water system. Veolia, which is the world's largest water services and technology company, will assess how Flint's water is tested and distributed, including reviewing water treatment processes and operations, laboratory testing and analysis, and engineering reports that detail the city's treatment and distribution systems.

"We understand the frustration and urgency in Flint," said David Gadis, vice president of Veolia North America's Municipal & Commercial Business. "We are honored to support your community with our technical expertise so that together we can ensure water quality for the people of the city of Flint."

Veolia anticipates its analysis to take less than two weeks, at which time they will present findings to City officials, including the Mayor, City Council and the Emergency Manager. Once the findings are presented, city officials will determine how to move forward.

"Addressing the City's water challenges are the top priority right now and it is important to bring in an independent, highly qualified team to work with us to address the safety and quality issues," said Mayor Dayne Walling.

–CONTINUE–

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

"Until we have completed our analysis, we cannot say for certain how long it will take to provide solutions to Flint's current water situation," said Gadis. "We have extensive experience handling challenging river water sources, reducing leaks and contaminants and in managing discolored water."

"Veolia worked diligently to respond to our Request For Proposal in a thorough, professional way and demonstrated the ability to immediately support us as we ensure safe, clean water for our residents," said Emergency Manager Jerry Ambrose.

The Veolia team hit the ground running Tuesday morning, meeting with water officials to provide an overview of the work to be conducted. "We look forward to helping Flint's team find ways to address and improve the city's drinking water operation," Gadis said.

The company designs and provides water, waste and energy management solutions to communities and industries across the country, including providing water and wastewater services to 530 communities in North America. More information is available at www.veolianorthamerica.com.

–END–

From: Muchmore, Dennis (GOV)
Sent: Wednesday, February 11, 2015 4:57 PM
To: [redacted]
Subject: Fwd:
Attachments: Fwd:

Sorry Rev., I had the wrong address.

From: Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Sent: Wednesday, February 11, 2015 4:24 PM
Subject: Fwd:
Attachments: Fwd: PRESS RELEASE: Water Consultant Announcement

>

From: Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Sent: Wednesday, February 11, 2015 4:14 PM
Subject: Fwd: PRESS RELEASE: Water Consultant Announcement
Attachments: Water Consultant Announcement 2.10.15.pdf; ATT00001.htm

For your meeting tonight

Begin forwarded message:

From: "Saxton, Thomas (Treasury)" <SaxtonT@michigan.gov<mailto:SaxtonT@michigan.gov>>
Date: February 11, 2015 at 6:09:26 AM EST
To: "Muchmore, Dennis (GOV)" <muchmored@michigan.gov<mailto:muchmored@michigan.gov>>, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov<mailto:hollinsh@michigan.gov>>
Cc: "Workman, Wayne (TREASURY)" <WorkmanW@michigan.gov<mailto:WorkmanW@michigan.gov>>, "Stanton, Terry A. (Treasury)" <StantonT@michigan.gov<mailto:StantonT@michigan.gov>>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov<mailto:clemente@michigan.gov>>
Subject: Fwd: PRESS RELEASE: Water Consultant Announcement

see the press release below re the water consultant. In the conversation Wayne & I had with Jerry late yesterday they are apparently planning a public forum mtg of some type next week to share preliminary results of the consultant's work. Veolia has already been doing some work on this.

Begin forwarded message:

From: Gerald Ambrose <gambrose@cityofflint.com<mailto:gambrose@cityofflint.com>>
Date: February 10, 2015 at 9:13:45 PM EST
To: "Thomas Saxton (Treasury)" <SaxtonT@michigan.gov<mailto:SaxtonT@michigan.gov>>, "Wayne Workman (TREASURY)" <workmanw@michigan.gov<mailto:workmanw@michigan.gov>>
Subject: Fwd: PRESS RELEASE: Water Consultant Announcement

Just in case you did not see this. Had a roundtable with media and Veolia.

---------- Forwarded message ----------
From: "Jason Lorenz" <jlorenz@cityofflint.com<mailto:jlorenz@cityofflint.com>>
Date: Feb 10, 2015 2:56 PM
Subject: PRESS RELEASE: Water Consultant Announcement
To:
Cc:

For Immediate Release

Flint Hires International Urban Water Experts of Veolia North America to Assess City's Water Issues

Flint, Michigan – February 10, 2015 – The City of Flint has retained a team of urban water experts from Veolia North America to conduct an analysis of the city's water system. Veolia, which is the world's largest water services and

technology company, will assess how Flint's water is tested and distributed, including reviewing water treatment processes and operations, laboratory testing and analysis, and engineering reports that detail the city's treatment and distribution systems.

"We understand the frustration and urgency in Flint," said David Gadis, vice president of Veolia North America's Municipal & Commercial Business. "We are honored to support your community with our technical expertise so that together we can ensure water quality for the people of the city of Flint."

Veolia anticipates its analysis to take less than two weeks, at which time they will present findings to City officials, including the Mayor, City Council and the Emergency Manager. Once the findings are presented, city officials will determine how to move forward.

"Addressing the City's water challenges are the top priority right now and it is important to bring in an independent, highly qualified team to work with us to address the safety and quality issues," said Mayor Dayne Walling.

"Until we have completed our analysis, we cannot say for certain how long it will take to provide solutions to Flint's current water situation," said Gadis. "We have extensive experience handling challenging river water sources, reducing leaks and contaminants and in managing discolored water."

"Veolia worked diligently to respond to our Request For Proposal in a thorough, professional way and demonstrated the ability to immediately support us as we ensure safe, clean water for our residents," said Emergency Manager Jerry Ambrose.

The Veolia team hit the ground running Tuesday morning, meeting with water officials to provide an overview of the work to be conducted. "We look forward to helping Flint's team find ways to address and improve the city's drinking water operation," Gadis said.

The company designs and provides water, waste and energy management solutions to communities and industries across the country, including providing water and wastewater services to 530 communities in North America. More information is available at www.veolianorthamerica.com<http://www.veolianorthamerica.com>.

–END–

-Jason Lorenz
Public Information Officer
City of Flint
[redacted]
jlorenz@cityofflint.com<mailto:jlorenz@cityofflint.com>

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

Jason Lorenz
Public Information Officer
(810) 237-2039
jlorenz@cityofflint.com

For Immediate Release

Flint Hires International Urban Water Experts of Veolia North America to Assess City's Water Issues

Flint, Michigan – February 10, 2015 – The City of Flint has retained a team of urban water experts from Veolia North America to conduct an analysis of the city's water system. Veolia, which is the world's largest water services and technology company, will assess how Flint's water is tested and distributed, including reviewing water treatment processes and operations, laboratory testing and analysis, and engineering reports that detail the city's treatment and distribution systems.

"We understand the frustration and urgency in Flint," said David Gadis, vice president of Veolia North America's Municipal & Commercial Business. "We are honored to support your community with our technical expertise so that together we can ensure water quality for the people of the city of Flint."

Veolia anticipates its analysis to take less than two weeks, at which time they will present findings to City officials, including the Mayor, City Council and the Emergency Manager. Once the findings are presented, city officials will determine how to move forward.

"Addressing the City's water challenges are the top priority right now and it is important to bring in an independent, highly qualified team to work with us to address the safety and quality issues," said Mayor Dayne Walling.

–CONTINUE–

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

"Until we have completed our analysis, we cannot say for certain how long it will take to provide solutions to Flint's current water situation," said Gadis. "We have extensive experience handling challenging river water sources, reducing leaks and contaminants and in managing discolored water."

"Veolia worked diligently to respond to our Request For Proposal in a thorough, professional way and demonstrated the ability to immediately support us as we ensure safe, clean water for our residents," said Emergency Manager Jerry Ambrose.

The Veolia team hit the ground running Tuesday morning, meeting with water officials to provide an overview of the work to be conducted. "We look forward to helping Flint's team find ways to address and improve the city's drinking water operation," Gadis said.

The company designs and provides water, waste and energy management solutions to communities and industries across the country, including providing water and wastewater services to 530 communities in North America. More information is available at www.veolianorthamerica.com.

–END–

From: Muchmore, Dennis (GOV)
Sent: Wednesday, February 11, 2015 5:50 PM
To: Hollins, Harvey (GOV)
Subject: Fwd:
Attachments: Fwd:; ATT00001.htm

Sent from my iPhone

Begin forwarded message:

> **From:** "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>
> **Date:** February 11, 2015 at 4:56:45 PM EST
> **To:** '[redacted]
> **Subject: Fwd:**
>
> Sorry Rev., I had the wrong address.

From: Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Sent: Wednesday, February 11, 2015 4:24 PM
Subject: Fwd:
Attachments: Fwd: PRESS RELEASE: Water Consultant Announcement

>

From: Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Sent: Wednesday, February 11, 2015 4:14 PM
Subject: Fwd: PRESS RELEASE: Water Consultant Announcement
Attachments: Water Consultant Announcement 2.10.15.pdf; ATT00001.htm

For your meeting tonight

Begin forwarded message:

From: "Saxton, Thomas (Treasury)" <SaxtonT@michigan.gov<mailto:SaxtonT@michigan.gov>>
Date: February 11, 2015 at 6:09:26 AM EST
To: "Muchmore, Dennis (GOV)" <muchmored@michigan.gov<mailto:muchmored@michigan.gov>>, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov<mailto:hollinsh@michigan.gov>>
Cc: "Workman, Wayne (TREASURY)" <WorkmanW@michigan.gov<mailto:WorkmanW@michigan.gov>>, "Stanton, Terry A. (Treasury)" <StantonT@michigan.gov<mailto:StantonT@michigan.gov>>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov<mailto:clemente@michigan.gov>>
Subject: Fwd: PRESS RELEASE: Water Consultant Announcement

see the press release below re the water consultant. In the conversation Wayne & I had with Jerry late yesterday they are apparently planning a public forum mtg of some type next week to share preliminary results of the consultant's work. Veolia has already been doing some work on this.

Begin forwarded message:

From: Gerald Ambrose <gambrose@cityofflint.com<mailto:gambrose@cityofflint.com>>
Date: February 10, 2015 at 9:13:45 PM EST
To: "Thomas Saxton (Treasury)" <SaxtonT@michigan.gov<mailto:SaxtonT@michigan.gov>>, "Wayne Workman (TREASURY)" <workmanw@michigan.gov<mailto:workmanw@michigan.gov>>
Subject: Fwd: PRESS RELEASE: Water Consultant Announcement

Just in case you did not see this. Had a roundtable with media and Veolia.

---------- Forwarded message ----------
From: "Jason Lorenz" <jlorenz@cityofflint.com<mailto:jlorenz@cityofflint.com>>
Date: Feb 10, 2015 2:56 PM
Subject: PRESS RELEASE: Water Consultant Announcement
To:
Cc:

For Immediate Release

Flint Hires International Urban Water Experts of Veolia North America to Assess City's Water Issues

Flint, Michigan – February 10, 2015 – The City of Flint has retained a team of urban water experts from Veolia North America to conduct an analysis of the city's water system. Veolia, which is the world's largest water services and

technology company, will assess how Flint's water is tested and distributed, including reviewing water treatment processes and operations, laboratory testing and analysis, and engineering reports that detail the city's treatment and distribution systems.

"We understand the frustration and urgency in Flint," said David Gadis, vice president of Veolia North America's Municipal & Commercial Business. "We are honored to support your community with our technical expertise so that together we can ensure water quality for the people of the city of Flint."

Veolia anticipates its analysis to take less than two weeks, at which time they will present findings to City officials, including the Mayor, City Council and the Emergency Manager. Once the findings are presented, city officials will determine how to move forward.

"Addressing the City's water challenges are the top priority right now and it is important to bring in an independent, highly qualified team to work with us to address the safety and quality issues," said Mayor Dayne Walling.

"Until we have completed our analysis, we cannot say for certain how long it will take to provide solutions to Flint's current water situation," said Gadis. "We have extensive experience handling challenging river water sources, reducing leaks and contaminants and in managing discolored water."

"Veolia worked diligently to respond to our Request For Proposal in a thorough, professional way and demonstrated the ability to immediately support us as we ensure safe, clean water for our residents," said Emergency Manager Jerry Ambrose.

The Veolia team hit the ground running Tuesday morning, meeting with water officials to provide an overview of the work to be conducted. "We look forward to helping Flint's team find ways to address and improve the city's drinking water operation," Gadis said.

The company designs and provides water, waste and energy management solutions to communities and industries across the country, including providing water and wastewater services to 530 communities in North America. More information is available at www.veolianorthamerica.com<http://www.veolianorthamerica.com>.

–END–

-Jason Lorenz
Public Information Officer
City of Flint
[redacted]
jlorenz@cityofflint.com<mailto:jlorenz@cityofflint.com>

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

Jason Lorenz
Public Information Officer
(810) 237-2039
jlorenz@cityofflint.com

For Immediate Release

Flint Hires International Urban Water Experts of Veolia North America to Assess City's Water Issues

Flint, Michigan – February 10, 2015 – The City of Flint has retained a team of urban water experts from Veolia North America to conduct an analysis of the city's water system. Veolia, which is the world's largest water services and technology company, will assess how Flint's water is tested and distributed, including reviewing water treatment processes and operations, laboratory testing and analysis, and engineering reports that detail the city's treatment and distribution systems.

"We understand the frustration and urgency in Flint," said David Gadis, vice president of Veolia North America's Municipal & Commercial Business. "We are honored to support your community with our technical expertise so that together we can ensure water quality for the people of the city of Flint."

Veolia anticipates its analysis to take less than two weeks, at which time they will present findings to City officials, including the Mayor, City Council and the Emergency Manager. Once the findings are presented, city officials will determine how to move forward.

"Addressing the City's water challenges are the top priority right now and it is important to bring in an independent, highly qualified team to work with us to address the safety and quality issues," said Mayor Dayne Walling.

–CONTINUE–

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

"Until we have completed our analysis, we cannot say for certain how long it will take to provide solutions to Flint's current water situation," said Gadis. "We have extensive experience handling challenging river water sources, reducing leaks and contaminants and in managing discolored water."

"Veolia worked diligently to respond to our Request For Proposal in a thorough, professional way and demonstrated the ability to immediately support us as we ensure safe, clean water for our residents," said Emergency Manager Jerry Ambrose.

The Veolia team hit the ground running Tuesday morning, meeting with water officials to provide an overview of the work to be conducted. "We look forward to helping Flint's team find ways to address and improve the city's drinking water operation," Gadis said.

The company designs and provides water, waste and energy management solutions to communities and industries across the country, including providing water and wastewater services to 530 communities in North America. More information is available at www.veolianorthamerica.com.

–END–

From: Muchmore, Dennis (GOV)
Sent: Wednesday, February 11, 2015 5:50 PM
To: Hollins, Harvey (GOV)
Subject: Fwd:
Attachments: Fwd: PRESS RELEASE: Water Consultant Announcement; ATT00001.htm

Sent from my iPhone

Begin forwarded message:

> **From:** "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>
> **Date:** February 11, 2015 at 4:23:57 PM EST
> **To:** [redacted]
> **Subject: Fwd:**

From: Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Sent: Wednesday, February 11, 2015 4:14 PM
Subject: Fwd: PRESS RELEASE: Water Consultant Announcement
Attachments: Water Consultant Announcement 2.10.15.pdf; ATT00001.htm

For your meeting tonight

Begin forwarded message:

From: "Saxton, Thomas (Treasury)" <SaxtonT@michigan.gov<mailto:SaxtonT@michigan.gov>>
Date: February 11, 2015 at 6:09:26 AM EST
To: "Muchmore, Dennis (GOV)" <muchmored@michigan.gov<mailto:muchmored@michigan.gov>>, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov<mailto:hollinsh@michigan.gov>>
Cc: "Workman, Wayne (TREASURY)" <WorkmanW@michigan.gov<mailto:WorkmanW@michigan.gov>>, "Stanton, Terry A. (Treasury)" <StantonT@michigan.gov<mailto:StantonT@michigan.gov>>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov<mailto:clemente@michigan.gov>>
Subject: Fwd: PRESS RELEASE: Water Consultant Announcement

see the press release below re the water consultant. In the conversation Wayne & I had with Jerry late yesterday they are apparently planning a public forum mtg of some type next week to share preliminary results of the consultant's work. Veolia has already been doing some work on this.

Begin forwarded message:

From: Gerald Ambrose <gambrose@cityofflint.com<mailto:gambrose@cityofflint.com>>
Date: February 10, 2015 at 9:13:45 PM EST
To: "Thomas Saxton (Treasury)" <SaxtonT@michigan.gov<mailto:SaxtonT@michigan.gov>>, "Wayne Workman (TREASURY)" <workmanw@michigan.gov<mailto:workmanw@michigan.gov>>
Subject: Fwd: PRESS RELEASE: Water Consultant Announcement

Just in case you did not see this. Had a roundtable with media and Veolia.

---------- Forwarded message ----------
From: "Jason Lorenz" <jlorenz@cityofflint.com<mailto:jlorenz@cityofflint.com>>
Date: Feb 10, 2015 2:56 PM
Subject: PRESS RELEASE: Water Consultant Announcement
To:
Cc:

For Immediate Release

Flint Hires International Urban Water Experts of Veolia North America to Assess City's Water Issues

Flint, Michigan – February 10, 2015 – The City of Flint has retained a team of urban water experts from Veolia North America to conduct an analysis of the city's water system. Veolia, which is the world's largest water services and

technology company, will assess how Flint's water is tested and distributed, including reviewing water treatment processes and operations, laboratory testing and analysis, and engineering reports that detail the city's treatment and distribution systems.

"We understand the frustration and urgency in Flint," said David Gadis, vice president of Veolia North America's Municipal & Commercial Business. "We are honored to support your community with our technical expertise so that together we can ensure water quality for the people of the city of Flint."

Veolia anticipates its analysis to take less than two weeks, at which time they will present findings to City officials, including the Mayor, City Council and the Emergency Manager. Once the findings are presented, city officials will determine how to move forward.

"Addressing the City's water challenges are the top priority right now and it is important to bring in an independent, highly qualified team to work with us to address the safety and quality issues," said Mayor Dayne Walling.

"Until we have completed our analysis, we cannot say for certain how long it will take to provide solutions to Flint's current water situation," said Gadis. "We have extensive experience handling challenging river water sources, reducing leaks and contaminants and in managing discolored water."

"Veolia worked diligently to respond to our Request For Proposal in a thorough, professional way and demonstrated the ability to immediately support us as we ensure safe, clean water for our residents," said Emergency Manager Jerry Ambrose.

The Veolia team hit the ground running Tuesday morning, meeting with water officials to provide an overview of the work to be conducted. "We look forward to helping Flint's team find ways to address and improve the city's drinking water operation," Gadis said.

The company designs and provides water, waste and energy management solutions to communities and industries across the country, including providing water and wastewater services to 530 communities in North America. More information is available at www.veolianorthamerica.com<http://www.veolianorthamerica.com>.

–END–

-Jason Lorenz
Public Information Officer
City of Flint
[redacted]
jlorenz@cityofflint.com<mailto:jlorenz@cityofflint.com>

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

Jason Lorenz
Public Information Officer
(810) 237-2039
jlorenz@cityofflint.com

For Immediate Release

Flint Hires International Urban Water Experts of Veolia North America to Assess City's Water Issues

Flint, Michigan – February 10, 2015 – The City of Flint has retained a team of urban water experts from Veolia North America to conduct an analysis of the city's water system. Veolia, which is the world's largest water services and technology company, will assess how Flint's water is tested and distributed, including reviewing water treatment processes and operations, laboratory testing and analysis, and engineering reports that detail the city's treatment and distribution systems.

"We understand the frustration and urgency in Flint," said David Gadis, vice president of Veolia North America's Municipal & Commercial Business. "We are honored to support your community with our technical expertise so that together we can ensure water quality for the people of the city of Flint."

Veolia anticipates its analysis to take less than two weeks, at which time they will present findings to City officials, including the Mayor, City Council and the Emergency Manager. Once the findings are presented, city officials will determine how to move forward.

"Addressing the City's water challenges are the top priority right now and it is important to bring in an independent, highly qualified team to work with us to address the safety and quality issues," said Mayor Dayne Walling.

–CONTINUE–

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

"Until we have completed our analysis, we cannot say for certain how long it will take to provide solutions to Flint's current water situation," said Gadis. "We have extensive experience handling challenging river water sources, reducing leaks and contaminants and in managing discolored water."

"Veolia worked diligently to respond to our Request For Proposal in a thorough, professional way and demonstrated the ability to immediately support us as we ensure safe, clean water for our residents," said Emergency Manager Jerry Ambrose.

The Veolia team hit the ground running Tuesday morning, meeting with water officials to provide an overview of the work to be conducted. "We look forward to helping Flint's team find ways to address and improve the city's drinking water operation," Gadis said.

The company designs and provides water, waste and energy management solutions to communities and industries across the country, including providing water and wastewater services to 530 communities in North America. More information is available at www.veolianorthamerica.com.

–END–

From: Muchmore, Dennis (GOV)
Sent: Wednesday, February 11, 2015 5:51 PM
To: Hollins, Harvey (GOV)
Subject: Fwd: PRESS RELEASE: Water Consultant Announcement
Attachments: Water Consultant Announcement 2.10.15.pdf; ATT00001.htm

Sent from my iPhone

Begin forwarded message:

> **From:** "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>
> **Date:** February 11, 2015 at 4:13:57 PM EST
> **To:** [redacted]
> **Subject: Fwd: PRESS RELEASE: Water Consultant Announcement**
>
> For your meeting tonight
>
> Begin forwarded message:
>
> > **From:** "Saxton, Thomas (Treasury)" <SaxtonT@michigan.gov>
> > **Date:** February 11, 2015 at 6:09:26 AM EST
> > **To:** "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
> > **Cc:** "Workman, Wayne (TREASURY)" <WorkmanW@michigan.gov>, "Stanton, Terry A. (Treasury)" <StantonT@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>
> > **Subject: Fwd: PRESS RELEASE: Water Consultant Announcement**
> >
> > see the press release below re the water consultant. In the conversation Wayne & I had with Jerry late yesterday they are apparently planning a public forum mtg of some type next week to share preliminary results of the consultant's work. Veolia has already been doing some work on this.
> >
> > Begin forwarded message:
> >
> > > **From:** Gerald Ambrose <gambrose@cityofflint.com>
> > > **Date:** February 10, 2015 at 9:13:45 PM EST
> > > **To:** "Thomas Saxton (Treasury)" <SaxtonT@michigan.gov>, "Wayne Workman (TREASURY)" <workmanw@michigan.gov>
> > > **Subject: Fwd: PRESS RELEASE: Water Consultant Announcement**

Just in case you did not see this. Had a roundtable with media and Veolia.

---------- Forwarded message ----------
From: "Jason Lorenz" <jlorenz@cityofflint.com>
Date: Feb 10, 2015 2:56 PM
Subject: PRESS RELEASE: Water Consultant Announcement
To:
Cc:

For Immediate Release

Flint Hires International Urban Water Experts of Veolia North America to Assess City's Water Issues

Flint, Michigan – February 10, 2015 – The City of Flint has retained a team of urban water experts from Veolia North America to conduct an analysis of the city's water system. Veolia, which is the world's largest water services and technology company, will assess how Flint's water is tested and distributed, including reviewing water treatment processes and operations, laboratory testing and analysis, and engineering reports that detail the city's treatment and distribution systems.

"We understand the frustration and urgency in Flint," said David Gadis, vice president of Veolia North America's Municipal & Commercial Business. "We are honored to support your community with our technical expertise so that together we can ensure water quality for the people of the city of Flint."

Veolia anticipates its analysis to take less than two weeks, at which time they will present findings to City officials, including the Mayor, City Council and the Emergency Manager. Once the findings are presented, city officials will determine how to move forward.

"Addressing the City's water challenges are the top priority right now and it is important to bring in an independent, highly qualified team to work with us to address the safety and quality issues," said Mayor Dayne Walling.

"Until we have completed our analysis, we cannot say for certain how long it will take to provide solutions to Flint's current water situation," said Gadis. "We have extensive experience handling challenging river water sources, reducing leaks and contaminants and in managing discolored water."

"Veolia worked diligently to respond to our Request For Proposal in a thorough, professional way and demonstrated the ability to immediately support us as we ensure safe, clean water for our residents," said Emergency Manager Jerry Ambrose.

The Veolia team hit the ground running Tuesday morning, meeting with water officials to provide an overview of the work to be conducted. "We look forward to helping Flint's team find ways to address and improve the city's drinking water operation," Gadis said.

The company designs and provides water, waste and energy management solutions to communities and industries across the country, including providing water and wastewater services to 530 communities in North America. More information is available at www.veolianorthamerica.com.

–END–

-Jason Lorenz
Public Information Officer
City of Flint
[redacted]
jlorenz@cityofflint.com

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

Jason Lorenz
Public Information Officer
(810) 237-2039
jlorenz@cityofflint.com

For Immediate Release

Flint Hires International Urban Water Experts of Veolia North America to Assess City's Water Issues

Flint, Michigan – February 10, 2015 – The City of Flint has retained a team of urban water experts from Veolia North America to conduct an analysis of the city's water system. Veolia, which is the world's largest water services and technology company, will assess how Flint's water is tested and distributed, including reviewing water treatment processes and operations, laboratory testing and analysis, and engineering reports that detail the city's treatment and distribution systems.

"We understand the frustration and urgency in Flint," said David Gadis, vice president of Veolia North America's Municipal & Commercial Business. "We are honored to support your community with our technical expertise so that together we can ensure water quality for the people of the city of Flint."

Veolia anticipates its analysis to take less than two weeks, at which time they will present findings to City officials, including the Mayor, City Council and the Emergency Manager. Once the findings are presented, city officials will determine how to move forward.

"Addressing the City's water challenges are the top priority right now and it is important to bring in an independent, highly qualified team to work with us to address the safety and quality issues," said Mayor Dayne Walling.

–CONTINUE–

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

"Until we have completed our analysis, we cannot say for certain how long it will take to provide solutions to Flint's current water situation," said Gadis. "We have extensive experience handling challenging river water sources, reducing leaks and contaminants and in managing discolored water."

"Veolia worked diligently to respond to our Request For Proposal in a thorough, professional way and demonstrated the ability to immediately support us as we ensure safe, clean water for our residents," said Emergency Manager Jerry Ambrose.

The Veolia team hit the ground running Tuesday morning, meeting with water officials to provide an overview of the work to be conducted. "We look forward to helping Flint's team find ways to address and improve the city's drinking water operation," Gadis said.

The company designs and provides water, waste and energy management solutions to communities and industries across the country, including providing water and wastewater services to 530 communities in North America. More information is available at www.veolianorthamerica.com.

–END–

From: Muchmore, Dennis (GOV)
Sent: Monday, February 16, 2015 12:42 PM
To: Hollins, Harvey (GOV)
Subject: FW: Flint Water Bills
Attachments: Water Forum - Final.ppt; WATER RATES deposits.doc

This is an old note which summarizes some of the early issues with the system and why they wanted to go to the KWA. Thought you might be interested. Did we get any info for the ministers about how the Detroit bill extensions and cut offs are working?

From: Stibitz, Brom (Treasury)
Sent: Monday, March 04, 2013 4:00 PM
To: Muchmore, Dennis (GOV)
Cc: Dillon, Andy (Treasury)
Subject: Flint Water Bills

Dennis,

There is some information attached on the Flint water issue you asked us about. I summarize a few of the key points:

- The water system has been running at deficits for years. When the previous EFM left the City in 2004, the water system has a reserve of approximately $60 million. When Mike Brown was appointed, this had turned into a $20 million deficit due to years of not passing along to consumers the rate increases of over 10% hitting the system from DWSD. Slides 5 & 6 of the attached power point show this pretty dramatically.
- Substantial increases over the past few years are an attempt to reflect the actual costs of running the system.
- Another concern raised by DHS was the increase in the deposit for rental properties. This was necessary because renters paid the previous $100 deposit, then racked up water bills in excess of this amount and walked away. Of the affidavits currently out there, 82% are past due. I would also note that this is not mandatory, it is only required if a landlord is not willing to put the water bill in their name.
- The bottom line is that they realize it is an issue, but the General Fund doesn't have the money to run general City operations, much less subsidize water rates.

The two page word document (attached) provided by the EFM gives you a good overview of what is going on. They believe that a switch to KWA is part of the solution for high water rates in the City.

Brom

City of Flint

Water Forum

5/31/2012

City Of Flint Water Forum

CONTENTS

Water History Facts 3

Frequently Asked Questions 4

Budget Allocation and Fund Expenses 5

Asset / Revenue Charts 6

Recent Timeline of Water and Sewer Funds 7

City of Flint - Water and Sewer System Additional Asset / Revenue Data 8

Calculation of Water and Sewer Rates for FY13 Budget 9

Example Water Bill 10

Turn-off Policy 11

Preliminary Options for Future City of Flint Water Sources 12

Improvements for City of Flint Water System 13

City Of Flint Water History Facts

Current Treatment Plant was put into service in 1954.

Current 72" main pipeline was completed in 1970.

Flint signed a 30 year contract with Detroit Water and Sewer Department in the mid 1960's.

The contract with DWSD has expired and we are currently operating on a yearly extension.

In 2006 Flint completed a $48,000,000 upgrade of the existing Water Plant (required by the MDEQ & for backup only).

Flint's Water & Sewer System is approximately a $300,000,000 Enterprise.

Flint's Water & Sewer System is designed to deliver water to over 200,000 people with over 1,500 miles of infrastructure.

Flint's most recent census count shows a population of approximately 102,000 in 2010.

Flint's census population in 2000 was approximately 124,000.

The water system had over 45,000 customers in June of 1999.

The water system had just over 36,000 customers by June 2011.

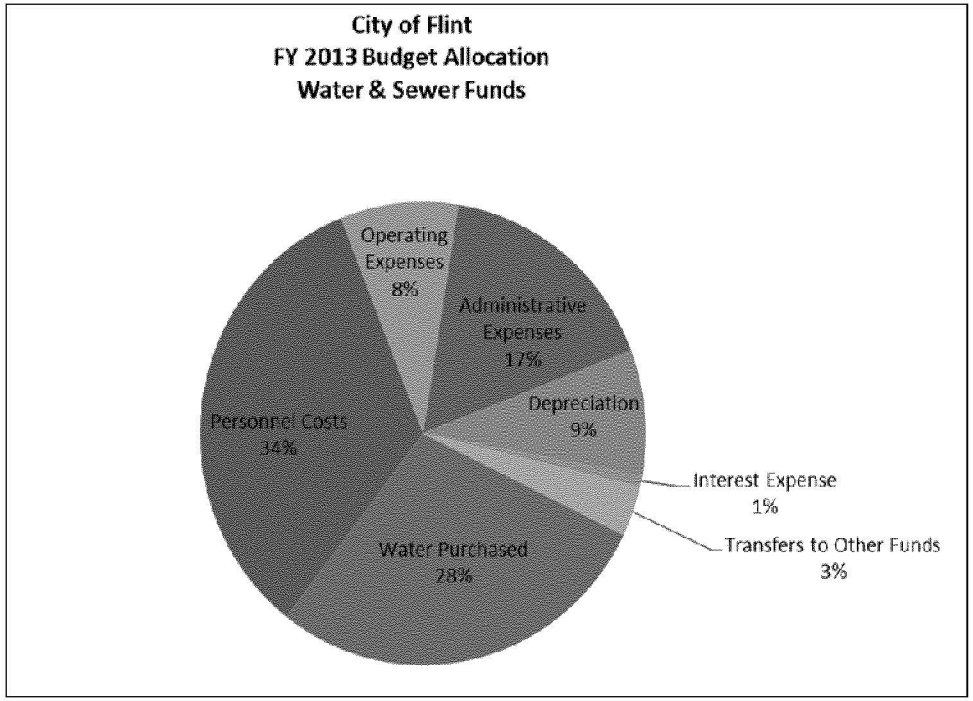
The "Fixed Costs" that must be covered to maintain the system and deliver quality water have increased over time.

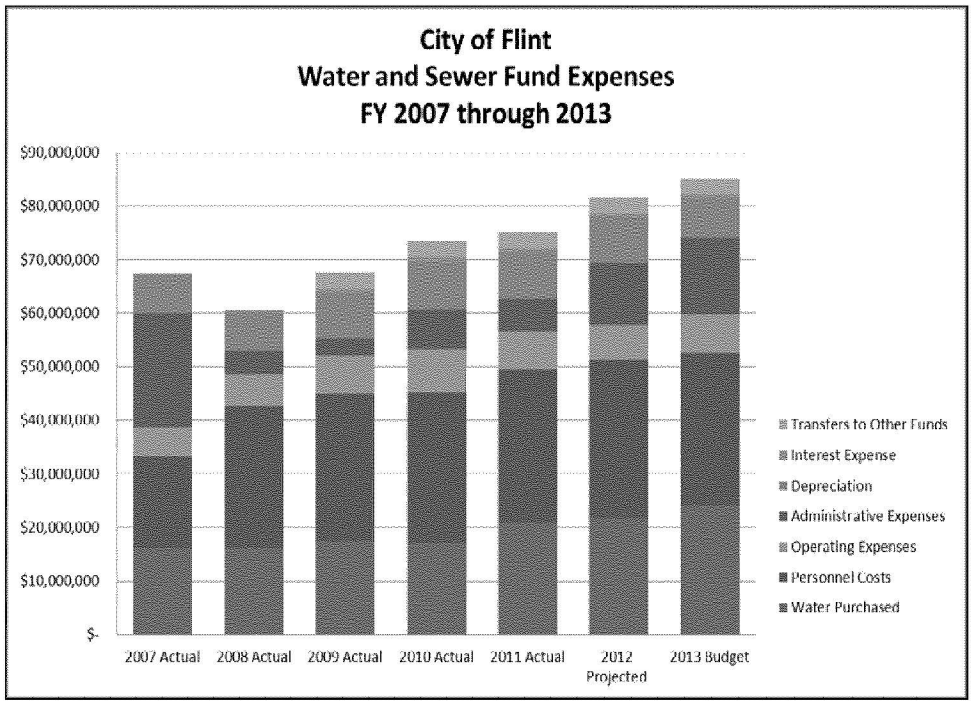
City Of Flint
Most Frequently Asked Questions about Water

- ❑ Why are the water rates so high ?
- ❑ How does my water bill work (Explanation of charges) ?
- ❑ Why do others in the area pay less for the same amount of water ?
- ❑ Where has all of the water and sewer fund money gone ?
- ❑ What do I do if I think my bill is incorrect ?
- ❑ What effect does leakage or theft have on my bill ?
- ❑ How can I report water theft ?
- ❑ Why don't we go back to using the Flint River like we once did ?

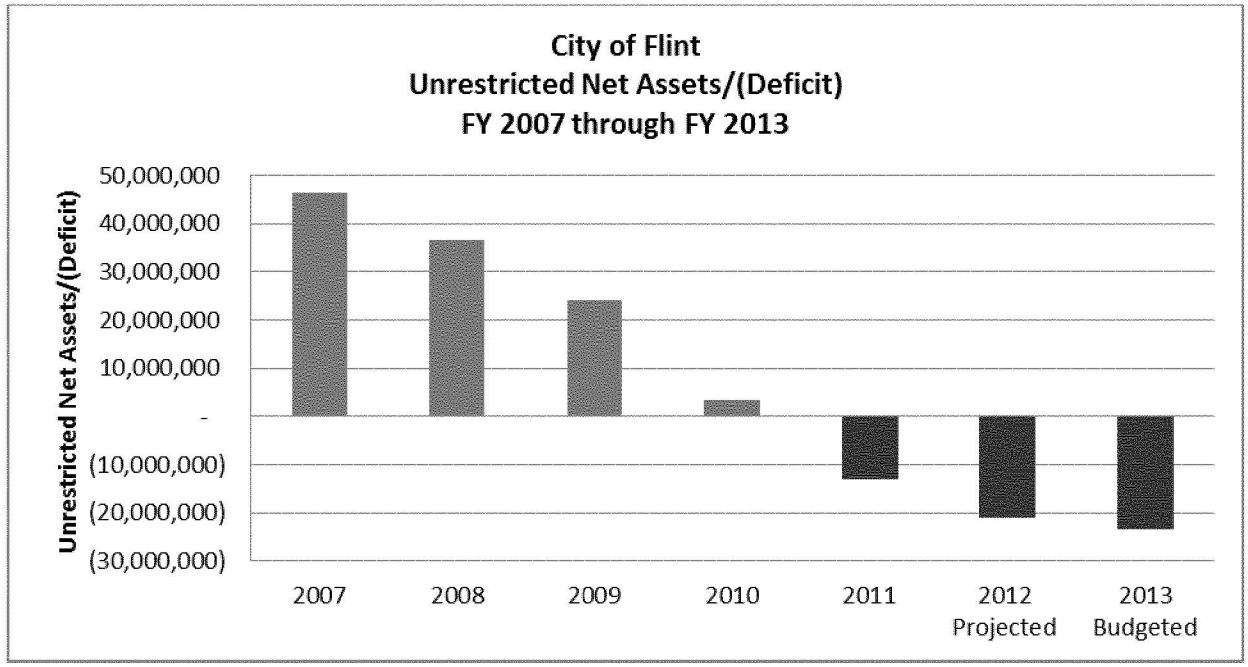
City of Flint

Budget Allocation and Fund Expenses

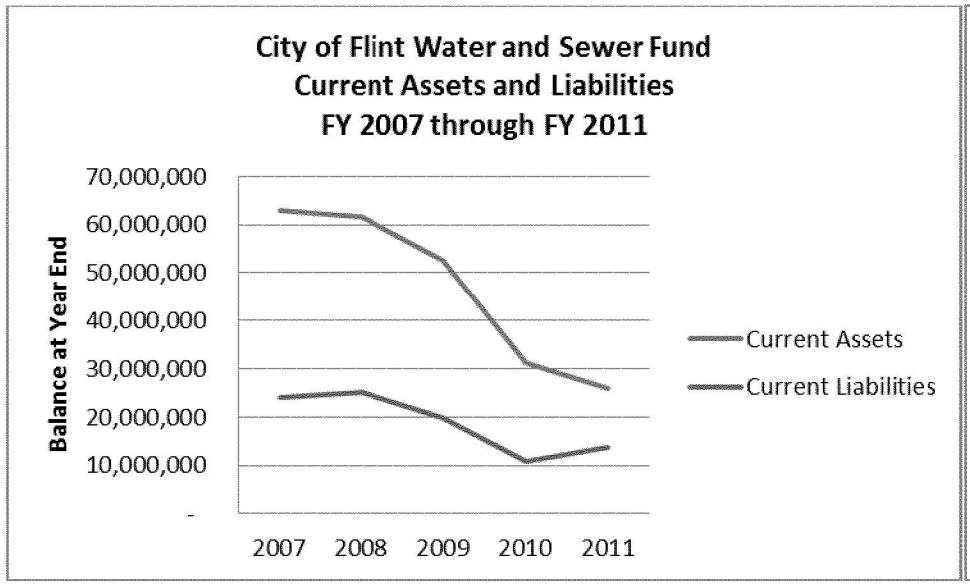


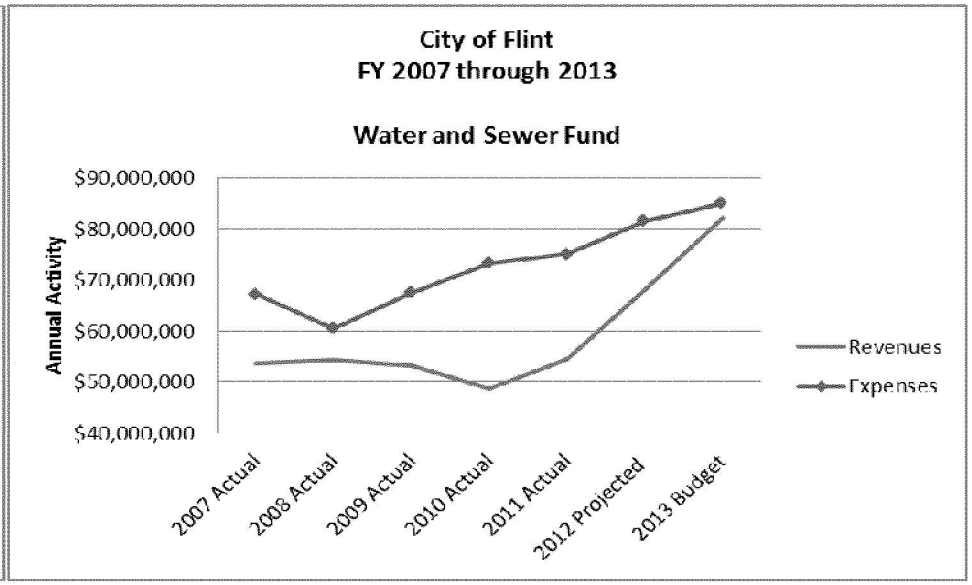


	Audited						
	2007 Actual	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Projected	2013 Budget
Operating Revenues	51,090,679	51,100,332	51,906,553	47,926,589	54,385,644	67,983,044	81,734,552
Other Revenues	2,627,939	3,274,450	1,442,383	764,886	68,645	126,670	455,867
Annual Revenues	53,718,618	54,374,782	53,348,936	48,691,475	54,454,289	68,109,714	82,190,419
Water Purchased	16,052,006	16,297,871	17,421,663	17,103,752	20,919,987	21,756,787	24,031,417
Personnel Costs	17,292,444	26,302,590	27,591,206	28,149,946	28,618,817	29,640,499	28,546,350
Operating Expenses	5,355,638	6,145,119	6,950,534	8,146,390	6,917,964	6,420,260	7,259,290
Administrative Expenses	21,300,900	4,229,382	3,403,231	7,327,630	6,221,627	11,465,462	14,140,047
Depreciation	7,217,142	7,132,870	8,364,022	8,854,889	8,689,809	8,615,000	7,500,000
Interest Expense	86,632	485,499	868,031	812,270	754,890	705,150	644,314
Transfers to Other Funds	-	-	2,990,000	2,990,000	2,990,000	2,990,000	2,990,000
Annual Expenses	67,304,762	60,593,331	67,588,687	73,384,877	75,113,094	81,593,158	85,111,418



	2007 Actual	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Projected	2013 Budget
Revenues	53,718,618	54,374,782	53,348,936	48,691,475	54,454,289	68,109,714	82,190,419
Expenses	67,304,762	60,593,331	67,588,687	73,384,877	75,113,094	81,593,158	85,111,418

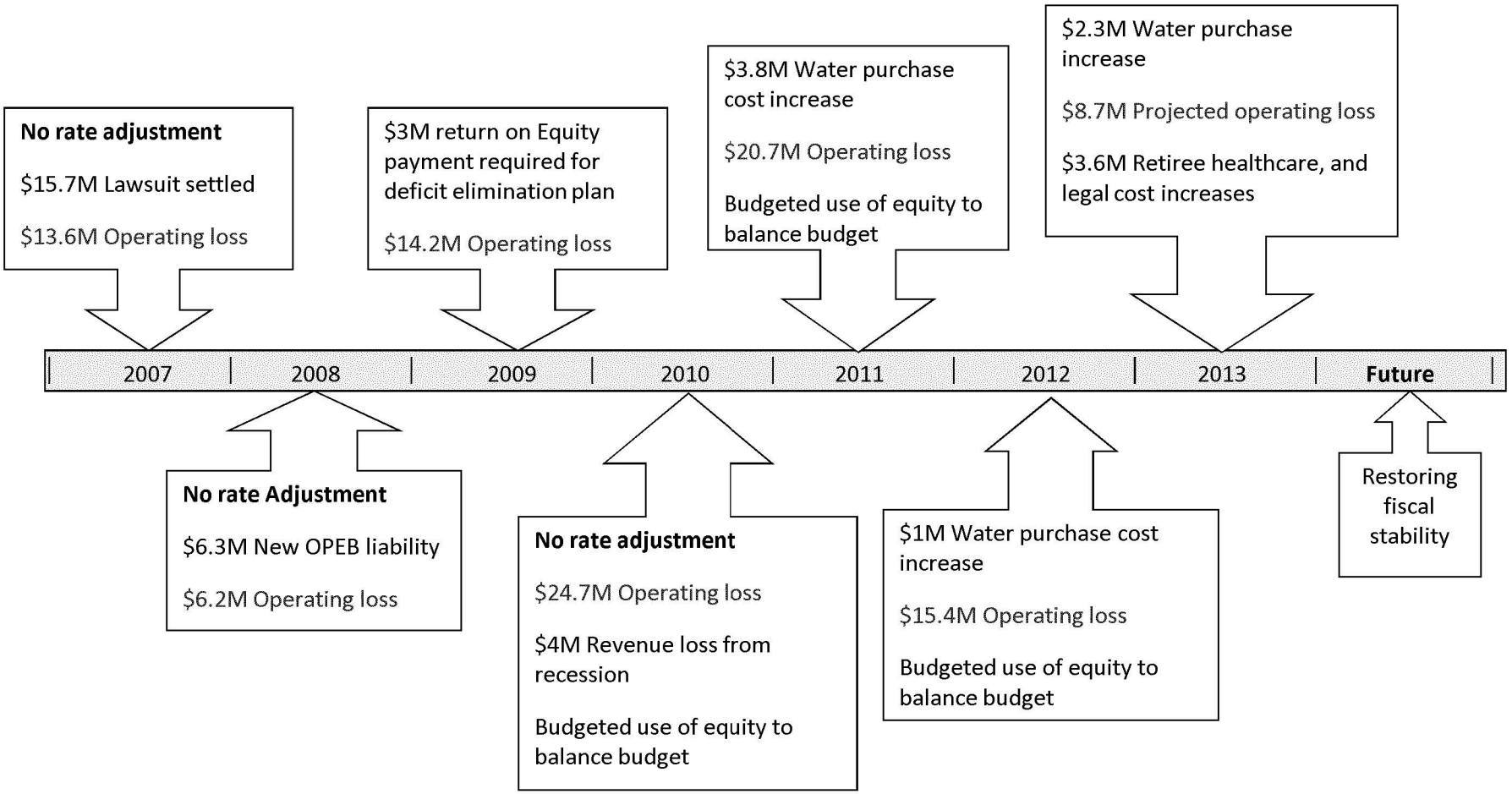




City of Flint

Recent Timeline of Water and Sewer Funds

FY 2007 through 2013



City of Flint- Water and Sewer System Additional Asset / Revenue Data

The average annual residential water sewer bill in FY2005 was less than $700 annually
The average annual residential water/ sewer bill in FY13 will be nearly $1,700

Expenses have exceeded revenues every year since 2006:

FISCAL YEAR	Rate Base	Revenues	Expenses	Revenues Minus Expenses	Unreserved System Equity	FACTORS IMPACTING SOLVENCY			COST IMPACT
2006	2005	$55,204,242	$50,933,792	**$4,270,450**	**$60,340,013**				
									(millions)
2007	2005	$53,856,857	$67,442,993	($13,586,136)	$46,399,452	No rate adjustment			??
						$15.7 million lawsuit settlement	15.7	0	$15.7
2008	2005	$54,374,781	$60,593,331	($6,218,550)	$36,482,488	No rate adjustment			??
						OPEB liabilities added	3.6	2.7	$6.3
2009	2009	$53,488,463	$67,728,218	($14,239,755)	$24,023,065	ROE payment added as part of City [	1.9	1.1	$3.0
2010	2009	$48,820,329	$73,513,725	($24,693,396)	$3,531,768	No rate adjustment			??
						Use of retained earnings budgeted	12.5	0.5	$13.0
						Revenue lost due to recession	2	2	$4.0
2011	2011	$54,527,079	$75,185,879	($20,658,800)	($12,866,607)	Use of retained earnings budgeted	7.1	3.5	$10.6
	2011					Water purchase cost increase	0	3.8	$3.8
2012		$68,279,187	$83,682,840	($15,403,653)	($20,884,122)	Use of retained earnings budgeted	5.1	0	$5.1
						Water purchase cost increase	0	0.8	$0.8
2013	2013	$82,220,420	$90,970,420	**($8,750,000)**	**($23,379,690)**	Water purchase cost increase	0	2.3	$2.3
						RHC/Legal/Admin Cost Allocation	2.1	1.5	$3.6
				($99,279,840)					$68.2

Calculation of Water and Sewer Rates for FY13 Budget

March, 2012:

	Expense Projection Based on FY12 Costs	Revenue Projection Based on FY12 Receipts	Difference Between Projected Revenues and Expenses	Rate Increase Necessary To Close Gap
Water	$49.9	$44.4	-$5.5	12.4%
Sewer	$31.0	$21.4	-$9.6	44.9%
TOTAL	$80.9	$65.8	-$15.1	22.9%

CITY of FLINT, MICHIGAN
WATER &/OR SEWER BILL

Service at: 5810 BALDWIN BLVD

TREASURER
CITY OF FLINT
P.O. BOX 1950
FLINT, MI 48501

PRESORTED
FIRST CLASS MAIL
US POSTAGE PAID
CITY OF FLINT

3419 Active

ACCOUNT NUMBER	DUE DATE
BALD-005810-0000-01	02/28/2012

NET AMOUNT DUE
147.85

RETURN THIS STUB WITH YOUR PAYMENT

Seq=3138

**AUTO [redacted]

00000376810000014785022820120000014913777O6

KEEP THIS PORTION FOR YOUR RECORDS

LAST READ/DATE/TYPE		NEW READ/DATE/TYPE		CONS	SERVICE	CHARGE
361	01/05/2012 A	363	02/03/2012 A	2	Sewer Non-metered	6.62
					Sewer Svc Chrg	22.07
					Water	13.36
					Water Svc Chrg	19.36

Prev. Balance	161.08
Payments	-75.00
Adjustments	0.00
Current Penalty	0.36
New Charges	61.41
Total Due	147.85
Due Date	02/28/2012

ACCOUNT: BALD-005810-0000-01 SERVICE AT: 5810 BALDWIN BLVD

PENALTY ASSESSED 30 DAYS AFTER DUE DATE

CITY OF FLINT
DEPARTMENT OF FINANCE

Customer Service Center

Dayne Walling
Mayor

Douglas Bingaman
Treasurer

CITY OF FLINT
WATER NON-PAYMENT TURN-OFF POLICY

1. Water services to any customer may be shut off if the account is not paid until after 30 days after the due date. (City ordinance 46-52 (h))

2. Non-payment turn-offs are done only Monday through Thursday. The Customer Service Center does not schedule non-payment turn-offs on Fridays, Saturdays, Sundays, or most recognized holidays.

3. Illegal usage, broken payment arrangements and NSF (non-sufficient funds) turn-offs are done at any time without additional notice.

4. Turn-off notices are mailed to delinquent customers fifteen (15) days before actual turn-off.

5. The water customer is responsible for maintenance of all plumbing in the premises including connection to City water mains or sewer lines.

6. If a customer disputes a water bill and is unable to resolve the issue with Customer Service personnel, the customer may request an administrative review. Further information on any water account may be obtained by calling (810) 766-7015 or visiting the Customer Service Center at 1st Floor, City Hall, 1101 S. Saginaw St.

Preliminary Options for Future City of Flint Water Sources

Consider a New Negotiated Contract with Detroit Water and Sewer Department

PRO'S	CON'S
No upfront capital costs	Lack of control over new / fixed changes
Possibility to negotiate a lower rate	Past practices
Ability to "Blend" water sources to further control costs	

Consider a Contract with the Karegnondi Water Authority

PRO'S	CON'S
Voting member of KWA board	Capital cost (debt service)
Ability to "Blend" water sources to further control costs	Uncertainty of final costs
Raw water is an asset for attracting new buisnesses	

Blended Use of the Flint River

PRO'S	CON'S
Helps control cost of water	

*** CURRENTLY NO DECISIONS HAVE BEEN MADE REGARDING THE FUTURE WATER SOURCE

Improvements for City of Flint Water System

Reduce Leakage

- **Finalize a Preventative Maintenance Plan**
  - (Planning started in January 2012, requires funding, … part of Operational Costs)
  - Will help identify repair area's

- **Reduce water theft**

- **Replace water meters**
  - We currently have an eighteen month plan to replace all meters with more efficient *"Smart Meters"*

- **Encourage routine household checks**
  - "Faulty" toilets are a significant reason for household water loss. and unexpected larger bills.

Other Leakage concerns

- ✓ Transmission Loss
- ✓ Fire Hydrants
- ✓ Incorrect water bills
- ✓ Non-Payment

City of Flint Water Fund

Proprietary Funds Revenues, Expenditures, and Changes in Net Assets
Fiscal Year Ended June 30

	2007	2008	2009	2010	2011	2012 Projected	2013 Budget
Current Assets	17,248,277	16,155,282	13,213,411	9,092,746	9,295,966		
Current Liabilities	7,053,131	7,039,015	6,796,178	8,287,409	11,736,286		
Capital Assets, net of accumulated depreciation	34,453,626	57,264,585	55,977,802	54,419,070	52,253,233		
Revenue Bonds, long-term portion	33,759,432	31,804,432	30,156,259	28,116,259	25,925,336		
Unrestricted Net Assets/(Deficit)	12,183,661	8,396,496	2,694,056	(5,795,973)	(12,443,265)	(13,237,665)	(12,733,233)

City of Flint Sewer Fund

Proprietary Funds Revenues, Expenditures, and Changes in Net Assets
Fiscal Year Ended June 30

	2007	2008	2009	2010	2011	2012 Projected	2013 Budget
Current Assets	45,805,754	45,515,711	39,299,954	22,199,959	16,496,427		
Current Liabilities	17,117,109	18,000,968	12,928,688	2,570,710	1,894,249		
Capital Assets, net of accumulated depreciation	76,913,051	73,794,673	74,719,675	70,200,627	65,736,675		
Revenue Bonds, long-term portion	-	-	-	-	-		
Unrestricted Net Assets/(Deficit)	34,215,792	28,085,991	21,329,011	9,327,738	(423,349)	(7,646,457)	(10,646,457)

Water and Sewer Combined

	2007	2008	2009	2010	2011	2012 Projected	2013 Budgeted
Current Assets	63,054,031	61,670,993	52,513,365	31,292,705	25,792,393		
Current Liabilities	24,170,240	25,039,983	19,724,866	10,858,119	13,630,535		

Response to Treasury regarding water rates, etc.

The cost of water and sewer in the City of Flint has become one of the most vexing issues facing the Emergency Financial Manager. When the Emergency Manager was appointed in December 2011 the water system had a $20 million deficit. In order to address this deficit the EM was forced to increase water and sewer rates by over a combined 120% in the past 18 months.

When the previous EFM left the City in 2004, the water system has a reserve of approximately $60 million. In the intervening years several things occurred: for three of five years (2007-2011) no rate increases were passed along to customers even though Detroit charged increases of over 10% per year; in the years when increases were passed along those amounts did not equal the actual cost of the system; the City chose to use the equity built up in the Water and Sewer funds until that was no longer available; a large lawsuit was settled; the City must pay for the $48 million MDEQ upgrades required at the Water Treatment Plant; and unbilled or unpaid water and sewer charges increased significantly.

In the past 18 months water and sewer rates have been increased to reflect the actual costs to operate the water and sewer system. Major leaks in the distribution system have been repaired. Unpaid water and sewer usage is now being addressed and the water affidavit process is part of this problem.

The City of Flint currently allows landlords to put the water and sewer billing in the name of the renter. This affidavit process holds the landlord harmless for any water costs. The deposit for the affidavit has been set at $100, which is the lowest in the County. The deposit fees in the County range from a low of $100 to a high of $500. The City is raising its rate to $350, which puts us about in the middle of the range. Depending on usage, this will cover 60 to 90 days' water charges and reduce the amount of uncollected billing. Keep in mind, any water not paid for is eventually charged to those who do pay through increased rates.

Because the deposit is so low in relation to the current charges, renters quickly owe more than the deposit, and find it easier to simply walk away from the rental and forfeit the deposit. This results in the City being on the hook for the unpaid bills. Currently there are 4,893 affidavits, and 4029 of them (82%) past due. This facctor alone totals to just under $3 million. In addition, when the renter walks away, the City has no way of knowing that the property is vacant. Many times the landlord rents the property again, without filing an affidavit, and the water continues to be charged to the former renter, again adding uncollected bills to the City. In the past the collection rate for past due accounts, when turned over to a collection agency, has been about 3% on average. Keep in mind that this is a deposit, not a fee, and can be refunded when the renter leaves the property. Also, the landlord can avoid the renter's deposit requirement by keeping the water and sewer billing in his name.

The City is also studying the potential to hold the landlord accountable for the water charges under certain conditions, such as failure to notify the City when a renter leaves and then renting the property again without filiing a new affidavit.

The City recognizes that the high cost of water is a factor which is causing low income residents to choose to leave the City and the increase in the deposit fee might accelerate that choice. However, many of the surrounding communities charge a higher deposit than does the City o Flint. Renters are leaving the City because they can get better housing for less money, live in safer neighborhoods with better schools, have their water charges decrease by about half, and have their insurance rates reduced by approximately 50%.

Water and sewer costs have resulted in about 8,000 current customers to be more than 60 days past due. Many are senior citizens who have lived in Flint their entire life, paid their taxes, etc. and now find themselves unable to pay their water bill. This concerns the City more than the issue of deposits. We have put in place for this year the ability for citizens to direct a part of their city tax refund to help people with their water bills, and we are reviewing other options as well as scheduled meetings with agencies involved in helping low income people with their bills.

We further recognize that we have staffing issues and water theft to address. The City is able to complete about 120 water shut-offs per week. At that rate we can not keep up with delinquent account shut-offs. The city also reconginzes that water theft through meter by-pass or unauthorized turn-on must be resolved.

Ultimately, the City must find a way to hold down future increases in the cost of water, to bring them more in line with the Genesee County water customers. To this end the City has recommended to Treasury, that the City leave the Detroit Water System and join KWA with Genesee County, Lapeer and Sanilac Counties and the City of Lapeer. We believe this is the most significant long term factor in stabilizing costs to the water customers in the City of Flint.

From: Muchmore, Dennis (GOV)
Sent: Friday, February 27, 2015 6:02 PM
To: Workman, Wayne (TREASURY); Clement, Elizabeth (GOV); Hollins, Harvey (GOV); Saxton, Thomas (Treasury); Stanton, Terry A. (Treasury); Storberg, Ann Marie (TREASURY)
Subject: RE: PRESS RELEASE: Recent Tests Show Flint Water within EPA Guidelines

Does it still smell?

From: Workman, Wayne (TREASURY)
Sent: Friday, February 27, 2015 5:15 PM
To: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Hollins, Harvey (GOV); Saxton, Thomas (Treasury); Stanton, Terry A. (Treasury); Storberg, Ann Marie (TREASURY)
Subject: Fwd: PRESS RELEASE: Recent Tests Show Flint Water within EPA Guidelines

In case you did not see this. Will be reviewing Water System info over the weekend. Maybe something Monday, Tuesday latest. I need to edit also. Wayne

Sent from my iPhone

Begin forwarded message:

> **From:** Jason Lorenz <jlorenz@cityofflint.com>
> **Date:** February 27, 2015 at 4:29:04 PM EST
> **To:** Jason Lorenz <jlorenz@cityofflint.com>
> **Subject: Re: PRESS RELEASE: Recent Tests Show Flint Water within EPA Guidelines**
>
> Attached is the release with the proper date.
>
> **For Immediate Release**
>
> ## Recent Tests Show Flint Water within EPA Guidelines
>
> ***Flint, Michigan – February 27, 2015*** – The Michigan Department of Environmental Quality (MDEQ) Testing lab has provided results to the City of Flint showing that test results for TTHM levels for the month of February are well within EPA guidelines for safe water. All eight testing sites showed levels of TTHM ranging between 14.9 and 28.5 micrograms per liter (µg/L), well below the Maximum Contamination Level of 80 (see chart below).

The testing results confirm the progress made by the City to address concerns regarding the safety of its water supply and corroborates findings by the City and independent tests by other organizations that the water today is safe. "Flint's water supply is meeting all safety guidelines set forth by the EPA," said DPW Director Howard Croft. "Today's findings by the MDEQ reinforce the progress we have made, and should help rebuild confidence in the safety of Flint's drinking water. We still have work to do to improve water quality and are committed to being vigilant to assure that water safety is maintained."

These results also show that the four month average for test results is now within EPA guidelines for five of the eight testing areas in the City. However, because EPA regulations require that the four month average for all testing sites be within guidelines, the City of Flint will still be considered to be out of compliance by MDEQ. The City expects to receive notice within the next few weeks indicating non-compliance, and system users can expect to receive official notice of non-compliance in the month of March.

Meanwhile, the City continues to work on maintaining water safety and improving water quality. While steps are being taken daily to improve quality, the City is expecting a formal set of recommendations from its water quality experts within the next few weeks.

The detail of the study results, a report of the progress being made and preliminary recommendations from Veolia will be shared with the newly formed Water Advisory Committee and Water Technical Committee, whose first meetings are scheduled for next week.

-Jason Lorenz
Public Information Officer
City of Flint
[redacted]
jlorenz@cityofflint.com

On Fri, Feb 27, 2015 at 4:04 PM, Jason Lorenz <jlorenz@cityofflint.com> wrote:

Recent Tests Show Flint Water within EPA Guidelines

Flint, Michigan – March 2, 2015 – The Michigan Department of Environmental Quality (MDEQ) Testing lab has provided results to the City of Flint showing that test results for TTHM levels for the month of February are well within EPA guidelines for safe water. All eight testing sites

showed levels of TTHM ranging between 14.9 and 28.5 micrograms per liter (µg/L), well below the Maximum Contamination Level of 80 (see chart attached).

The testing results confirm the progress made by the City to address concerns regarding the safety of its water supply and corroborates findings by the City and independent tests by other organizations that the water today is safe. "Flint's water supply is meeting all safety guidelines set forth by the EPA," said DPW Director Howard Croft. "Today's findings by the MDEQ reinforce the progress we have made, and should help rebuild confidence in the safety of Flint's drinking water. We still have work to do to improve water quality and are committed to being vigilant to assure that water safety is maintained."

These results also show that the four month average for test results is now within EPA guidelines for five of the eight testing areas in the City. However, because EPA regulations require that the four month average for all testing sites be within guidelines, the City of Flint will still be considered to be out of compliance by MDEQ. The City expects to receive notice within the next few weeks indicating non-compliance, and system users can expect to receive official notice of non-compliance in the month of March.

Meanwhile, the City continues to work on maintaining water safety and improving water quality. While steps are being taken daily to improve quality, the City is expecting a formal set of recommendations from its water quality experts within the next few weeks.

The detail of the study results, a report of the progress being made and preliminary recommendations from Veolia will be shared with the newly formed Water Advisory Committee and Water Technical Committee, whose first meetings are scheduled for next week.

See Attached. Areas in blue (under February) indicate current levels.

–END–

-Jason Lorenz
Public Information Officer
City of Flint
[redacted]
jlorenz@cityofflint.com

From: Muchmore, Dennis (GOV)
Sent: Tuesday, March 03, 2015 7:32 AM
To: Workman, Wayne (TREASURY)
Subject: Re: Contaminated Drink Water if Flint

I'll get them for you today.

> On Mar 3, 2015, at 6:42 AM, Workman, Wayne (TREASURY) <WorkmanW@michigan.gov> wrote:
>
> I was going to call Mark Murray as a start. Do you have any water contacts at Ice Mtn etc i can call?
>
>
> Sent from my iPhone
>
>> On Mar 2, 2015, at 11:56 PM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:
>>
>> Might want to get Jarrod and Terry Stanton on this as well as Harvey. Otherwise it will get out of hand. It's in the city's long term interest to make the KWA work and we can make the river water safe, but we need to work with the ministers this week to help them out. It's tough for everyday people to listen to financial issues and water mumbo jumbo when all they see is problems. You can't expect the ministers to hold the tide on this problem.
>>
>> How about cutting a deal with Ice Mountain or Bill Young and buying some water for the people for a time? $250K buys a lot of drinking water and we could distribute it through the churches while we continue to make the water even safer.
>>
>> If we procrastinate much longer in doing something direct we'll have real trouble.
>>
>> Sent from my iPhone
>>
>> Begin forwarded message:
>>
>> From: Kelly Rossman-McKinney
>> <krossman@truscottrossman.com<mailto:krossman@truscottrossman.com>>
>> Date: March 2, 2015 at 8:26:34 AM EST
>> To: Dennis Muchmore
>> <muchmored@michigan.gov<mailto:muchmored@michigan.gov>>
>> Subject: FW: Contaminated Drink Water if Flint
>>
>> Please call me so we can discuss. This issue is out of hand. We do pro bono work for the city on an as-needed basis, plus we also work for Veolia, the water consultant they brought on board. I'm concerned about the implications that this may have racial overtones. Ugh.
>>
>> [https://sites.google.com/a/truscottrossman.com/oct17/home/email-logo
>> .png]
>>
>>
>> Kelly Rossman-McKinney

>> CEO
>> Truscott Rossman •
>> truscottrossman.com<http://www.truscottrossman.com/>
>> Boji Tower • 124 W. Allegan St., Ste. 800 • Lansing, MI 48933
>> 200 Renaissance Center, Ste. 3160 • Detroit, MI 48243
>> 125 Ottawa Ave. N.W., Ste 235 • Grand Rapids, MI 49503
>>
>> Cell: [redacted]
>> Office: (517) 487-9320
>> Fax: (517) 487-5080
>>
>>
>>
>> From: Gerald Ambrose [mailto:gambrose@cityofflint.com]
>> Sent: Monday, March 02, 2015 7:36 AM
>> To: Kelly Rossman-McKinney
>> Subject: Fwd: Contaminated Drink Water if Flint
>>
>>
>> Welcome to Monday. Please advise asap as to any next steps you recommend, if any.
>> ---------- Forwarded message ----------
>> From: "Dayne Walling"
>> <dwalling@cityofflint.com<mailto:dwalling@cityofflint.com>>
>> Date: Mar 2, 2015 7:29 AM
>> Subject: Fwd: Contaminated Drink Water if Flint
>> To: "Gerald Ambrose"
>> <gambrose@cityofflint.com<mailto:gambrose@cityofflint.com>>, "Natasha
>> Henderson"
>> <nhenderson@cityofflint.com<mailto:nhenderson@cityofflint.com>>,
>> "Peter Bade" <pbade@cityofflint.com<mailto:pbade@cityofflint.com>>
>> Cc:
>>
>> FYI:
>> ---------- Forwarded message ----------
>> From: [redacted]
>> Date: Sat, Feb 28, 2015 at 2:09 PM
>> Subject: Contaminated Drink Water if Flint
>> To: [redacted]
>> Cc: "mail103@foxtv.com<mailto:mail103@foxtv.com>"
>> <mail103@foxtv.com<mailto:mail103@foxtv.com>>, WFLT 1420 Am
>> <wflt1420am@aol.com<mailto:wflt1420am@aol.com>>, Abc12news
>> <abc12news@abc12.com<mailto:abc12news@abc12.com>>, Wnem Desk
>> <wnem@wnem.com<mailto:wnem@wnem.com>>, Scot Johnson Wnem
>> <scot.johnson@wnem.com<mailto:scot.johnson@wnem.com>>,
>> "news@wjr.com<mailto:news@wjr.com>"
>> <news@wjr.com<mailto:news@wjr.com>>,
>> "assigmentdesk@wdiv.com<mailto:assigmentdesk@wdiv.com>"
>> <assigmentdesk@wdiv.com<mailto:assigmentdesk@wdiv.com>>, "D. Adams"
>> <dadams5@mlive.com<mailto:dadams5@mlive.com>>,
>> fox2newsdesk@foxtv.com<mailto:fox2newsdesk@foxtv.com>,
[redacted]

[redacted]
>> "mageorge@freepress.com<mailto:mageorge@freepress.com>"
>> <mageorge@freepress.com<mailto:mageorge@freepress.com>>, "B. Thorne"
>> <bthorne@flintjournal.com<mailto:bthorne@flintjournal.com>>, [redacted]
>> "wxyzdesk@wxyz.com<mailto:wxyzdesk@wxyz.com>"
>> <wxyzdesk@wxyz.com<mailto:wxyzdesk@wxyz.com>>,
>> "wflt1420@aol.com<mailto:wflt1420@aol.com>"
>> <wflt1420@aol.com<mailto:wflt1420@aol.com>>,
>> "cspacouriernews@yahoo.com<mailto:cspacouriernews@yahoo.com>"
>> <cspacouriernews@yahoo.com<mailto:cspacouriernews@yahoo.com>>,
>> "dshepardson@depnewss.com<mailto:dshepardson@depnewss.com>"
>> <dshepardson@depnewss.com<mailto:dshepardson@depnewss.com>>,
>> "promotion@wsmh.com<mailto:promotion@wsmh.com>"
>> <promotion@wsmh.com<mailto:promotion@wsmh.com>>, Eric Mays
>> <emays@cityofflint.com<mailto:emays@cityofflint.com>>, Emergency
>> Manager <em@cityofflint.com<mailto:em@cityofflint.com>>, Brenda
>> Williams
>> <brwilliams@visionmpinc.com<mailto:brwilliams@visionmpinc.com>>,
[redacted]
>> Vicky Van Buren
>> <vvanburen@cityofflint.com<mailto:vvanburen@cityofflint.com>>, Jackie
>> Poplar <jpoplar@cityofflint.com<mailto:jpoplar@cityofflint.com>>,
[redacted]
>> Wantwaz Davis
>> <wdavis@cityofflint.com<mailto:wdavis@cityofflint.com>>, [redacted]
>> "hwinford@cityofflint.com<mailto:hwinford@cityofflint.com>"
>> <hwinford@cityofflint.com<mailto:hwinford@cityofflint.com>>, Inez
>> Brown <ibrown@cityofflint.com<mailto:ibrown@cityofflint.com>>, Peter
>> Bade <pbade@cityofflint.com<mailto:pbade@cityofflint.com>>,
>> "knelson@cityofflint.com<mailto:knelson@cityofflint.com>"
>> <knelson@cityofflint.com<mailto:knelson@cityofflint.com>>, [redacted]
Scott Kincaid
>> <skincaid@cityofflint.com<mailto:skincaid@cityofflint.com>>, [redacted]
>> "rfonger1@mlive.com<mailto:rfonger1@mlive.com>"
>> <rfonger1@mlive.com<mailto:rfonger1@mlive.com>>, [redacted]
[redacted]

[redacted], Dyane Walling
>> <dwalling@cityofflint.com<mailto:dwalling@cityofflint.com>>, [redacted]
[redacted]
>>
>> Good Afternoon, [redacted]
>>
>> Thank you for returning my call on the other day! Again, my concern as is others in the City of Flint, Michigan regarding the drinking water source for the water customers of the City of Flint. I have enclosed one of the lasted article written by the local newspaper, "The Flint Journal" regarding the Flint River water. Needless to say, the water is dangerous to our health! GM will not use the water at its Engine Plant in Flint to wash engines parts!
>>
>> We need your help to guide us to the profession people that know about "Bad Drinking Water and Environmental Racism". I truly believe it's "Environmental Racism" at its worst or should I say best! As a resident of flint, Past President of the Flint Branch NAACP, newly elected VP of the Flint Branch NAACP and the most listen to broadcast host during that time on Flint's premiere gospel station, WFLT 1420AM, each Saturday morning from 9:30-10AM, I have challenged our elected officials to step up to the plate and fix this water problem!
>>
>> I'll be asking the Executive Committee of the Flint Branch of the NAACP to request from our National Office if we can proceed with a possible "Environmental Racism" lawsuit with their assistance and the assistance of other civil rights groups and others to "file briefs in support of our efforts against those parties involved with the changing and the using of the Flint River as our water drinking source.
>>
>> The City of Flint has Emergency Manager #4 since our "takeover", and cares less about the residents or the water concerns of its Customers of Flint! Please help us with our problem by directing us to the right professional people. Please go to www.actionpa.org/fluroride/ej.html<http://www.actionpa.org/fluroride/ej.html> regarding "Environmental Racism" I have attached an article from the Flint Journal, and may Google other articles regarding the Flint's water source, including how we arrived to where we are on today.
>>
>> Thank you very much in advance!!
>>
>> I remain.
>>
>>[redacted], Concerned Resident
>>
>>
>>
>> --
>> Dayne Walling
>> Mayor, City of Flint
>> City Hall, 1101 S. Saginaw St.

>> Flint, MI 48502
>> [redacted]
>> mayor@cityofflint.com<mailto:mayor@cityofflint.com>
>> www.cityofflint.com<http://www.cityofflint.com/>
>> follow me on twitter at http://twitter.com/mayorwalling
>> <CCF02282015_0002.pdf>

From: Muchmore, Dennis (GOV)
Sent: Tuesday, March 03, 2015 7:40 AM
To: Clement, Elizabeth (GOV); Hollins, Harvey (GOV)
Subject: Fwd: Contaminated Drink Water if Flint

I have become increasingly concerned about the situation in Flint and the lack of empathy for the residents. I'm not sure that buying water from Ice Mountain or Bill Young makes sense and I don't know about [redacted] since they buy it from Bill or local sources and repackage. But, it would seem to me that buying some and giving it to residents who are having discoloration or smell issues would be fair and prudent until it gets ironed out. Maybe this doesn't make any sense to you and if not just chalk it up to the delirium I'm feeling from the sun and drop the idea.

Harvey feels the situation is slipping out of hand without some direct response and so does Kelly Rossman. She's talking to Beth today. I worry that swooping in may reinforce the idea that there is something wrong with the water after all. But, it seems to me that that would be small issue compared to blowing off these ministers and their concerns. Of course, we can't supply the water forever so maybe working with Wayne something can be figured out.

Begin forwarded message:

> **From:** "Workman, Wayne (TREASURY)" <WorkmanW@michigan.gov>
> **Date:** March 3, 2015 at 6:42:39 AM EST
> **To:** "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>
> **Subject: Re: Contaminated Drink Water if Flint**
>
> I was going to call [redacted] as a start. Do you have any water contacts at Ice Mtn etc i can call?
>
> Sent from my iPhone
>
> On Mar 2, 2015, at 11:56 PM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:
>
> > Might want to get Jarrod and Terry Stanton on this as well as Harvey. Otherwise it will get out of hand. It's in the city's long term interest to make the KWA work and we can make the river water safe, but we need to work with the ministers this week to help them out. It's tough for everyday people to listen to financial issues and water mumbo jumbo when all they see is problems. You can't expect the ministers to hold the tide on this problem.
> >
> > How about cutting a deal with Ice Mountain or Bill Young and buying some water for the people for a time? $250K buys a lot of drinking water and we could distribute it through the churches while we continue to make the water even safer.

If we procrastinate much longer in doing something direct we'll have real trouble.

Sent from my iPhone

Begin forwarded message:

From: Kelly Rossman-McKinney
<krossman@truscottrossman.com<mailto:krossman@truscottrossman.com>>

Date: March 2, 2015 at 8:26:34 AM EST

To: Dennis Muchmore
<muchmored@michigan.gov<mailto:muchmored@michigan.gov>>

Subject: FW: Contaminated Drink Water if Flint

Please call me so we can discuss. This issue is out of hand. We do pro bono work for the city on an as-needed basis, plus we also work for Veolia, the water consultant they brought on board. I'm concerned about the implications that this may have racial overtones. Ugh.

[https://sites.google.com/a/truscottrossman.com/oct17/home/email-logo.png]

Kelly Rossman-McKinney

CEO

Truscott Rossman • truscottrossman.com<http://www.truscottrossman.com/>

Boji Tower • 124 W. Allegan St., Ste. 800 • Lansing, MI 48933

200 Renaissance Center, Ste. 3160 • Detroit, MI 48243

125 Ottawa Ave. N.W., Ste 235 • Grand Rapids, MI 49503

Cell: [redacted]

Office: (517) 487-9320

Fax: (517) 487-5080

From: Gerald Ambrose [mailto:gambrose@cityofflint.com]

Sent: Monday, March 02, 2015 7:36 AM

To: Kelly Rossman-McKinney

Subject: Fwd: Contaminated Drink Water if Flint

Welcome to Monday. Please advise asap as to any next steps you recommend, if any.

---------- Forwarded message ----------

From: "Dayne Walling" <dwalling@cityofflint.com<mailto:dwalling@cityofflint.com>>

Date: Mar 2, 2015 7:29 AM

Subject: Fwd: Contaminated Drink Water if Flint

To: "Gerald Ambrose" <gambrose@cityofflint.com<mailto:gambrose@cityofflint.com>>, "Natasha Henderson" <nhenderson@cityofflint.com<mailto:nhenderson@cityofflint.com>>, "Peter Bade" <pbade@cityofflint.com<mailto:pbade@cityofflint.com>>

Cc:

FYI:

---------- Forwarded message ----------

From: Arlington Dumas <ac2dumas@yahoo.com<mailto:ac2dumas@yahoo.com>>

Date: Sat, Feb 28, 2015 at 2:09 PM

Subject: Contaminated Drink Water if Flint

To: [redacted]

Cc: "mail103@foxtv.com<mailto:mail103@foxtv.com>" <mail103@foxtv.com<mailto:mail103@foxtv.com>>, WFLT 1420 Am <wflt1420am@aol.com<mailto:wflt1420am@aol.com>>, Abc12news <abc12news@abc12.com<mailto:abc12news@abc12.com>>, Wnem Desk <wnem@wnem.com<mailto:wnem@wnem.com>>, Scot Johnson Wnem <scot.johnson@wnem.com<mailto:scot.johnson@wnem.com>>, "news@wjr.com<mailto:news@wjr.com>" <news@wjr.com<mailto:news@wjr.com>>, "assigmentdesk@wdiv.com<mailto:assigmentdesk@wdiv.com>" <assigmentdesk@wdiv.com<mailto:assigmentdesk@wdiv.com>>, "D. Adams" <dadams5@mlive.com<mailto:dadams5@mlive.com>>, fox2newsdesk@foxtv.com<mailto:fox2newsdesk@foxtv.com>, [redacted] "mageorge@freepress.com<mailto:mageorge@freepress.com>" <mageorge@freepress.com<mailto:mageorge@freepress.com>>, "B. Thorne" <bthorne@flintjournal.com<mailto:bthorne@flintjournal.com>>, "Rev. Reggie [redacted] "wxyzdesk@wxyz.com<mailto:wxyzdesk@wxyz.com>" <wxyzdesk@wxyz.com<mailto:wxyzdesk@wxyz.com>>,

"wflt1420@aol.com<mailto:wflt1420@aol.com>"
<wflt1420@aol.com<mailto:wflt1420@aol.com>>,
"cspacouriernews@yahoo.com<mailto:cspacouriernews@yahoo.com>"
<cspacouriernews@yahoo.com<mailto:cspacouriernews@yahoo.com>>,
"dshepardson@depnewss.com<mailto:dshepardson@depnewss.com>"
<dshepardson@depnewss.com<mailto:dshepardson@depnewss.com>>,
"promotion@wsmh.com<mailto:promotion@wsmh.com>"
<promotion@wsmh.com<mailto:promotion@wsmh.com>>, Eric Mays
<emays@cityofflint.com<mailto:emays@cityofflint.com>>, Emergency Manager
<em@cityofflint.com<mailto:em@cityofflint.com>>, Brenda Williams
<brwilliams@visionmpinc.com<mailto:brwilliams@visionmpinc.com>>,
[redacted]
Vicky Van Buren
<vvanburen@cityofflint.com<mailto:vvanburen@cityofflint.com>>, Jackie
Poplar <jpoplar@cityofflint.com<mailto:jpoplar@cityofflint.com>>, J[redacted]
Wantwaz Davis <wdavis@cityofflint.com<mailto:wdavis@cityofflint.com>>,
[redacted]
"hwinford@cityofflint.com<mailto:hwinford@cityofflint.com>"
<hwinford@cityofflint.com<mailto:hwinford@cityofflint.com>>, Inez Brown
<ibrown@cityofflint.com<mailto:ibrown@cityofflint.com>>, Peter Bade
<pbade@cityofflint.com<mailto:pbade@cityofflint.com>>,
"knelson@cityofflint.com<mailto:knelson@cityofflint.com>"
<knelson@cityofflint.com<mailto:knelson@cityofflint.com>>, [redacted]
"rfonger1@mlive.com<mailto:rfonger1@mlive.com>"
<rfonger1@mlive.com<mailto:rfonger1@mlive.com>>, [redacted]
[redacted] Dyane Walling
<dwalling@cityofflint.com<mailto:dwalling@cityofflint.com>>, [redacted]

[redacted]

Good Afternoon, Attorney Randall!

Thank you for returning my call on the other day! Again, my concern as is others in the City of Flint, Michigan regarding the drinking water source for the water customers of the City of Flint. I have enclosed one of the lasted article written by the local newspaper, "The Flint Journal" regarding the Flint River water. Needless to say, the water is dangerous to our health! GM will not use the water at its Engine Plant in Flint to wash engines parts!

We need your help to guide us to the profession people that know about "Bad Drinking Water and Environmental Racism". I truly believe it's "Environmental Racism" at its worst or should I say best! As a resident of flint, Past President of the Flint Branch NAACP, newly elected VP of the Flint Branch NAACP and the most listen to broadcast host during that time on Flint's premiere gospel station, WFLT 1420AM, each Saturday morning from 9:30-10AM, I have challenged our elected officials to step up to the plate and fix this water problem!

I'll be asking the Executive Committee of the Flint Branch of the NAACP to request from our National Office if we can proceed with a possible "Environmental Racism" lawsuit with their assistance and the assistance of other civil rights groups and others to "file briefs in support of our efforts against those parties involved with the changing and the using of the Flint River as our water drinking source.

The City of Flint has Emergency Manager #4 since our "takeover", and cares less about the residents or the water concerns of its Customers of Flint! Please help us with our problem by directing us to the right professional people. Please go to www.actionpa.org/fluroride/ej.html<http://www.actionpa.org/fluroride/ej.html> regarding "Environmental Racism" I have attached an article from the Flint Journal, and may Google other articles regarding the Flint's water source, including how we arrived to where we are on today.

Thank you very much in advance!!

I remain.

[redacted] Concerned Resident

--

Dayne Walling
Mayor, City of Flint
City Hall, 1101 S. Saginaw St.
Flint, MI 48502
[redacted]
mayor@cityofflint.com<mailto:mayor@cityofflint.com>
www.cityofflint.com<http://www.cityofflint.com/>
follow me on twitter at http://twitter.com/mayorwalling
<CCF02282015_0002.pdf>

From: Muchmore, Dennis (GOV)
Sent: Tuesday, March 03, 2015 7:46 AM
To: Workman, Wayne (TREASURY)
Subject: Re: Contaminated Drink Water if Flint

[redacted] probably buys and repackages from Ice Mountain or Absopure (of course it could be from a local source). I just think it is prudent to have a Plan B if it gets out of hand. Seems like that's where some of the ministers could be particularly helpful if they want to be. You, Beth and Harvey are the best thinkers we've got and closest to the situation so your judgment makes sense. Jerry Ambrose has dealt with these kinds of things a zillion times in Lansing with Rev. Stone here so he's had experience. I just don't want it to get away from us so that when it turns warmer they create a crisis.

> On Mar 3, 2015, at 6:42 AM, Workman, Wayne (TREASURY) <WorkmanW@michigan.gov> wrote:
>
> I was going to call [redacted] as a start. Do you have any water contacts at Ice Mtn etc i can call?
>
>
> Sent from my iPhone
>
>> On Mar 2, 2015, at 11:56 PM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:
>>
>> Might want to get Jarrod and Terry Stanton on this as well as Harvey. Otherwise it will get out of hand. It's in the city's long term interest to make the KWA work and we can make the river water safe, but we need to work with the ministers this week to help them out. It's tough for everyday people to listen to financial issues and water mumbo jumbo when all they see is problems. You can't expect the ministers to hold the tide on this problem.
>>
>> How about cutting a deal with Ice Mountain or Bill Young and buying some water for the people for a time? $250K buys a lot of drinking water and we could distribute it through the churches while we continue to make the water even safer.
>>
>> If we procrastinate much longer in doing something direct we'll have real trouble.
>>
>> Sent from my iPhone
>>
>> Begin forwarded message:
>>
>> From: Kelly Rossman-McKinney
>> <krossman@truscottrossman.com<mailto:krossman@truscottrossman.com>>
>> Date: March 2, 2015 at 8:26:34 AM EST
>> To: Dennis Muchmore
>> <muchmored@michigan.gov<mailto:muchmored@michigan.gov>>
>> Subject: FW: Contaminated Drink Water if Flint
>>
>> Please call me so we can discuss. This issue is out of hand. We do pro bono work for the city on an as-needed basis, plus we also work for Veolia, the water consultant they brought on board. I'm concerned about the implications that this may have racial overtones. Ugh.
>>

>> [https://sites.google.com/a/truscottrossman.com/oct17/home/email-logo
>> .png]
>>
>>
>> Kelly Rossman-McKinney
>> CEO
>> Truscott Rossman •
>> truscottrossman.com<http://www.truscottrossman.com/>
>> Boji Tower • 124 W. Allegan St., Ste. 800 • Lansing, MI 48933
>> 200 Renaissance Center, Ste. 3160 • Detroit, MI 48243
>> 125 Ottawa Ave. N.W., Ste 235 • Grand Rapids, MI 49503
>>
>> Cell: ([redacted]
>> Office: (517) 487-9320
>> Fax: (517) 487-5080
>>
>>
>>
>> From: Gerald Ambrose [mailto:gambrose@cityofflint.com]
>> Sent: Monday, March 02, 2015 7:36 AM
>> To: Kelly Rossman-McKinney
>> Subject: Fwd: Contaminated Drink Water if Flint
>>
>>
>> Welcome to Monday. Please advise asap as to any next steps you recommend, if any.
>> ---------- Forwarded message ----------
>> From: "Dayne Walling"
>> <dwalling@cityofflint.com<mailto:dwalling@cityofflint.com>>
>> Date: Mar 2, 2015 7:29 AM
>> Subject: Fwd: Contaminated Drink Water if Flint
>> To: "Gerald Ambrose"
>> <gambrose@cityofflint.com<mailto:gambrose@cityofflint.com>>, "Natasha
>> Henderson"
>> <nhenderson@cityofflint.com<mailto:nhenderson@cityofflint.com>>,
>> "Peter Bade" <pbade@cityofflint.com<mailto:pbade@cityofflint.com>>
>> Cc:
>>
>> FYI:
>> ---------- Forwarded message ----------
>> From: [redacted]
>> Date: Sat, Feb 28, 2015 at 2:09 PM
>> Subject: Contaminated Drink Water if Flint
>> To: [redacted]
[redacted]
>> Cc: "mail103@foxtv.com<mailto:mail103@foxtv.com>"
>> <mail103@foxtv.com<mailto:mail103@foxtv.com>>, WFLT 1420 Am
>> <wflt1420am@aol.com<mailto:wflt1420am@aol.com>>, Abc12news
>> <abc12news@abc12.com<mailto:abc12news@abc12.com>>, Wnem Desk
>> <wnem@wnem.com<mailto:wnem@wnem.com>>, Scot Johnson Wnem
>> <scot.johnson@wnem.com<mailto:scot.johnson@wnem.com>>,
>> "news@wjr.com<mailto:news@wjr.com>"
>> <news@wjr.com<mailto:news@wjr.com>>,

>> "assigmentdesk@wdiv.com<mailto:assigmentdesk@wdiv.com>"
>> <assigmentdesk@wdiv.com<mailto:assigmentdesk@wdiv.com>>, "D. Adams"
>> <dadams5@mlive.com<mailto:dadams5@mlive.com>>,
>> fox2newsdesk@foxtv.com<mailto:fox2newsdesk@foxtv.com>,
[redacted]
>> "mageorge@freepress.com<mailto:mageorge@freepress.com>"
>> <mageorge@freepress.com<mailto:mageorge@freepress.com>>, "B. Thorne"
>> <bthorne@flintjournal.com<mailto:bthorne@flintjournal.com>>, [redacted]
>> "wxyzdesk@wxyz.com<mailto:wxyzdesk@wxyz.com>"
>> <wxyzdesk@wxyz.com<mailto:wxyzdesk@wxyz.com>>,
>> "wflt1420@aol.com<mailto:wflt1420@aol.com>"
>> <wflt1420@aol.com<mailto:wflt1420@aol.com>>,
>> "cspacouriernews@yahoo.com<mailto:cspacouriernews@yahoo.com>"
>> <cspacouriernews@yahoo.com<mailto:cspacouriernews@yahoo.com>>,
>> "dshepardson@depnewss.com<mailto:dshepardson@depnewss.com>"
>> <dshepardson@depnewss.com<mailto:dshepardson@depnewss.com>>,
>> "promotion@wsmh.com<mailto:promotion@wsmh.com>"
>> <promotion@wsmh.com<mailto:promotion@wsmh.com>>, Eric Mays
>> <emays@cityofflint.com<mailto:emays@cityofflint.com>>, Emergency
>> Manager <em@cityofflint.com<mailto:em@cityofflint.com>>, Brenda
>> Williams
>> <brwilliams@visionmpinc.com<mailto:brwilliams@visionmpinc.com>>,
[redacted]
>> Vicky Van Buren
>> <vvanburen@cityofflint.com<mailto:vvanburen@cityofflint.com>>, Jackie
>> Poplar <jpoplar@cityofflint.com<mailto:jpoplar@cityofflint.com>>,
[redacted]
>> Wantwaz Davis
>> <wdavis@cityofflint.com<mailto:wdavis@cityofflint.com>>, [redacted]
>> "hwinford@cityofflint.com<mailto:hwinford@cityofflint.com>"
>> <hwinford@cityofflint.com<mailto:hwinford@cityofflint.com>>, Inez
>> Brown <ibrown@cityofflint.com<mailto:ibrown@cityofflint.com>>, Peter
>> Bade <pbade@cityofflint.com<mailto:pbade@cityofflint.com>>,
>> "knelson@cityofflint.com<mailto:knelson@cityofflint.com>"
>> <knelson@cityofflint.com<mailto:knelson@cityofflint.com>>, [redacted]
[redacted]Scott Kincaid
>> <skincaid@cityofflint.com<mailto:skincaid@cityofflint.com>>, [redacted]
>> "rfonger1@mlive.com<mailto:rfonger1@mlive.com>"
>> <rfonger1@mlive.com<mailto:rfonger1@mlive.com>>, [redacted]
[redacted]

[redacted] Dyane Walling
>> <dwalling@cityofflint.com<mailto:dwalling@cityofflint.com>>, [redacted]
[redacted]
>>
>> Good Afternoon, Attorney Randall!
>>
>> Thank you for returning my call on the other day! Again, my concern as is others in the City of Flint, Michigan regarding the drinking water source for the water customers of the City of Flint. I have enclosed one of the lasted article written by the local newspaper, "The Flint Journal" regarding the Flint River water. Needless to say, the water is dangerous to our health! GM will not use the water at its Engine Plant in Flint to wash engines parts!
>>
>> We need your help to guide us to the profession people that know about "Bad Drinking Water and Environmental Racism". I truly believe it's "Environmental Racism" at its worst or should I say best! As a resident of flint, Past President of the Flint Branch NAACP, newly elected VP of the Flint Branch NAACP and the most listen to broadcast host during that time on Flint's premiere gospel station, WFLT 1420AM, each Saturday morning from 9:30-10AM, I have challenged our elected officials to step up to the plate and fix this water problem!
>>
>> I'll be asking the Executive Committee of the Flint Branch of the NAACP to request from our National Office if we can proceed with a possible "Environmental Racism" lawsuit with their assistance and the assistance of other civil rights groups and others to "file briefs in support of our efforts against those parties involved with the changing and the using of the Flint River as our water drinking source.
>>
>> The City of Flint has Emergency Manager #4 since our "takeover", and cares less about the residents or the water concerns of its Customers of Flint! Please help us with our problem by directing us to the right professional people. Please go to www.actionpa.org/fluroride/ej.html<http://www.actionpa.org/fluroride/ej.html> regarding "Environmental Racism" I have attached an article from the Flint Journal, and may Google other articles regarding the Flint's water source, including how we arrived to where we are on today.
>>
>> Thank you very much in advance!!
>>
>> I remain.
>>
>>[redacted], Concerned Resident
>>
>>

>>
>> --
>> Dayne Walling
>> Mayor, City of Flint
>> City Hall, 1101 S. Saginaw St.
>> Flint, MI 48502
>> [redacted]
>> mayor@cityofflint.com<mailto:mayor@cityofflint.com>
>> www.cityofflint.com<http://www.cityofflint.com/>
>> follow me on twitter at http://twitter.com/mayorwalling
>> <CCF02282015_0002.pdf>

From: Muchmore, Dennis (GOV)
Sent: Tuesday, March 03, 2015 7:51 AM
To: Clement, Elizabeth (GOV)
Subject: Flint

You are trying to work through a potentially difficult situation with Flint water and the local ministers demands (although I frankly tend to have sympathy with them) and you should just be talking about it with the Colonel. Might be good to anticipate what will happen when it gets warm and we have more water problems. I left you with a doozy of a situation and Harvey and Workman/Saxton are really at odds on this one.

From: Muchmore, Dennis (GOV)
Sent: Saturday, March 07, 2015 8:19 AM
To: Baird, Richard (GOV); Clement, Elizabeth (GOV)
Subject: Re: Flint Water Meeting

What does Steve have to do with the Flint water situation? Am I hopelessly out of the loop on this?

On Mar 6, 2015, at 2:11 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:

> Just an FYI – the meeting Rich asked Harvey to arrange will be on Monday at 1pm in Lansing. Please see below. -- Stacie
>
> **From:** Clayton, Stacie (GOV)
> **Sent:** Friday, March 06, 2015 2:05 PM
> **To:** Hollins, Harvey (GOV); 'Gerald Ambrose'; 'Maxine Murray'; Thelen, Mary Beth (DEQ); Wurfel, Brad (DEQ); Devereaux, Tracy Jo (DEQ); Busch, Stephen (DEQ); 'Natasha Henderson'; Shekter Smith, Liane (DEQ)
> **Subject:** Flint Water Meeting
>
> Greetings All,
>
> Attached is a brief overview of the information to be presented on Monday at the 1:00pm meeting with Steve Linder of the Sterling Corporation regarding Flint Water. The meeting will be held at the Sterling Corporation's offices on 106 W. Allegan, Ste. 2 in Lansing. I have sent the appointment and here are the list of attendees:
>
> Harvey Hollins, Director, Governor's Office of Urban and Metropolitan Initiatives
> Gerald Ambrose, Flint Emergency Manager
> Natasha Henderson, Flint, City Manager
> Liane Shekter Smith, Chief, Office of Drinking Water and Municipal Assistance (DEQ)
> Stephen Busch, Office of Drinking Water and Municipal Assistance (DEQ)
> Brad Wurfel, Director of Communications (DEQ)
>
> <SomnioGlobal_Ozone disinfection technology.pdf>

From: Muchmore, Dennis (GOV)
Sent: Saturday, March 07, 2015 8:48 AM
To: Baird, Richard (GOV)
Cc: Clement, Elizabeth (GOV)
Subject: Re: Flint Water Meeting

Got it, I remember he called some time ago about this now that you've jarred my memory (it needs jarring to work). Thanks for the response.

On Mar 7, 2015, at 8:44 AM, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:

> Left you a voicemail. He represents a company that received medc grant and we think they may have a role to play in flint water problem. Company founders meeting with Harvey, Ambrose and somebody from Flint water department since they were going to be in Lansing on Monday anyway.
>
> *Sent from my Verizon Wireless 4G LTE DROID*
> On Mar 7, 2015 8:19 AM, "Muchmore, Dennis (GOV)" <muchmored@michigan.gov> wrote:
> What does Steve have to do with the Flint water situation? Am I hopelessly out of the loop on this?
>
> On Mar 6, 2015, at 2:11 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:
>
> > Just an FYI – the meeting Rich asked Harvey to arrange will be on Monday at 1pm in Lansing. Please see below. -- Stacie
> >
> > ---
> >
> > **From:** Clayton, Stacie (GOV)
> > **Sent:** Friday, March 06, 2015 2:05 PM
> > **To:** Hollins, Harvey (GOV); 'Gerald Ambrose'; 'Maxine Murray'; Thelen, Mary Beth (DEQ); Wurfel, Brad (DEQ); Devereaux, Tracy Jo (DEQ); Busch, Stephen (DEQ); 'Natasha Henderson'; Shekter Smith, Liane (DEQ)
> > **Subject:** Flint Water Meeting
> >
> > Greetings All,
> >
> > Attached is a brief overview of the information to be presented on Monday at the 1:00pm meeting with Steve Linder of the Sterling Corporation regarding Flint Water. The meeting will be held at the Sterling Corporation's offices on 106 W. Allegan, Ste. 2 in Lansing. I have sent the appointment and here are the list of attendees:
> >
> > Harvey Hollins, Director, Governor's Office of Urban and Metropolitan Initiatives
> > Gerald Ambrose, Flint Emergency Manager
> > Natasha Henderson, Flint, City Manager
> > Liane Shekter Smith, Chief, Office of Drinking Water and Municipal Assistance (DEQ)
> > Stephen Busch, Office of Drinking Water and Municipal Assistance (DEQ)

Brad Wurfel, Director of Communications (DEQ)

<SomnioGlobal_Ozone disinfection technology.pdf>

From: Muchmore, Dennis (GOV)
Sent: Thursday, March 19, 2015 5:28 PM
To: Workman, Wayne (TREASURY); Clement, Elizabeth (GOV); Hollins, Harvey (GOV)
Cc: Saxton, Thomas (Treasury)
Subject: RE: We made the tight choice to leave...and not go back!

I never disagreed with that, I'm just worried about the interim.

From: Workman, Wayne (TREASURY)
Sent: Wednesday, March 18, 2015 7:57 AM
To: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Hollins, Harvey (GOV)
Cc: Saxton, Thomas (Treasury)
Subject: FW: We made the tight choice to leave...and not go back!

FYI

From: [redacted]
Sent: Wednesday, March 18, 2015 7:15 AM
To: Workman, Wayne (TREASURY)
Subject: We made the tight choice to leave...and not go back!

Genesee County water rates could go up 16 percent following Detroit increase

GENESEE COUNTY, MI -- People in communities that get water from Detroit could see their costs climb as much as 16 percent as soon as this summer, said Genesee County Drain Commissioner Jeff Wright. The Detroit Water and Sewerage Department board last week appro Read More
http://www.mlive.com/news/flint/index.ssf/2015/03/genesee_county_water_rates_cou.html

From: Muchmore, Dennis (GOV)
Sent: Wednesday, April 08, 2015 11:51 AM
To: Workman, Wayne (TREASURY); Clement, Elizabeth (GOV)
Cc: Saxton, Thomas (Treasury)
Subject: RE: Fyi..I had hoped we would be announcing our action plan this week ,ie going forth with the GAC. Will see what we can do to get a release out...

So much for putting Harris on the RTAB.

From: Workman, Wayne (TREASURY)
Sent: Wednesday, April 08, 2015 11:46 AM
To: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV)
Cc: Saxton, Thomas (Treasury)
Subject: Fwd: Fyi..I had hoped we would be announcing our action plan this week ,ie going forth with the GAC. Will see what we can do to get a release out...

Assume you saw this.

Sent from my iPhone

Begin forwarded message:

> **From:** Gerald Ambrose <gambrose@cityofflint.com>
> **Date:** April 7, 2015 at 8:27:36 PM EDT
> **To:** "Wayne Workman (TREASURY)" <workmanw@michigan.gov>, Edward Koryzno <koryznoE@michigan.gov>, Randy Burn <ByrneR1@michigan.gov>
> **Subject: Fyi..I had hoped we would be announcing our action plan this week ,ie going forth with the GAC. Will see what we can do to get a release out...**
>
> **Flint pastors plan news conference on 'lack of progress' on Flint water issues**
>
> FLINT, MI -- Concerned Pastors for Social Action plan to speak out on a "lack of progress" on Flint water issues Wednesday, April 8. The Rev. Alfred Harris, president of the Concerned Pastors, said his group will detail its concerns at the 1:30 p.m. news conference at City Hal Read More http://www.mlive.com/news/flint/index.ssf/2015/04/flint_pastors_plan_news_confer.html

From: Muchmore, Dennis (GOV)
Sent: Wednesday, April 08, 2015 11:52 AM
To: Hollins, Harvey (GOV)
Subject: FW: Fyi

Well, that didn't help at all. So much for Harris on the RTAB.

From: Workman, Wayne (TREASURY)
Sent: Wednesday, April 08, 2015 11:46 AM
To: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV)
Cc: Saxton, Thomas (Treasury)
Subject: Fwd: Fyi..I had hoped we would be announcing our action plan this week ,ie going forth with the GAC. Will see what we can do to get a release out...

Assume you saw this.

Sent from my iPhone

Begin forwarded message:

> **From:** Gerald Ambrose <gambrose@cityofflint.com>
> **Date:** April 7, 2015 at 8:27:36 PM EDT
> **To:** "Wayne Workman (TREASURY)" <workmanw@michigan.gov>, Edward Koryzno <koryznoE@michigan.gov>, Randy Burn <ByrneR1@michigan.gov>
> **Subject: Fyi..I had hoped we would be announcing our action plan this week ,ie going forth with the GAC. Will see what we can do to get a release out...**
>
> **Flint pastors plan news conference on 'lack of progress' on Flint water issues**
>
> FLINT, MI -- Concerned Pastors for Social Action plan to speak out on a "lack of progress" on Flint water issues Wednesday, April 8. The Rev. Alfred Harris, president of the Concerned Pastors, said his group will detail its concerns at the 1:30 p.m. news conference at City Hal Read More http://www.mlive.com/news/flint/index.ssf/2015/04/flint_pastors_plan_news_confer.html

From: Muchmore, Dennis (GOV)
Sent: Wednesday, April 08, 2015 12:01 PM
To: Hollins, Harvey (GOV)
Subject: RE: Fyi

Hard to help people when we're trying to balance everyone's latest complaint on either side.

From: Hollins, Harvey (GOV)
Sent: Wednesday, April 08, 2015 11:58 AM
To: Muchmore, Dennis (GOV)
Subject: RE: Fyi

That's unfortunate because he is one of the most reasonable voices in Flint on this issue.

From: Muchmore, Dennis (GOV)
Sent: Wednesday, April 08, 2015 11:52 AM
To: Hollins, Harvey (GOV)
Subject: FW: Fyi

Well, that didn't help at all. So much for Harris on the RTAB.

From: Workman, Wayne (TREASURY)
Sent: Wednesday, April 08, 2015 11:46 AM
To: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV)
Cc: Saxton, Thomas (Treasury)
Subject: Fwd: Fyi..I had hoped we would be announcing our action plan this week ,ie going forth with the GAC. Will see what we can do to get a release out...

Assume you saw this.

Sent from my iPhone

Begin forwarded message:

> **From:** Gerald Ambrose <gambrose@cityofflint.com>
> **Date:** April 7, 2015 at 8:27:36 PM EDT
> **To:** "Wayne Workman (TREASURY)" <workmanw@michigan.gov>, Edward Koryzno <koryznoE@michigan.gov>, Randy Burn <ByrneR1@michigan.gov>
> **Subject: Fyi..I had hoped we would be announcing our action plan this week ,ie going forth with the GAC. Will see what we can do to get a release out...**
>
> **Flint pastors plan news conference on 'lack of progress' on Flint water issues**
>
> FLINT, MI -- Concerned Pastors for Social Action plan to speak out on a "lack of progress" on Flint water issues Wednesday, April 8. The Rev. Alfred Harris, president of the Concerned Pastors, said his group will detail its concerns at the 1:30 p.m. news conference at City Hal Read More http://www.mlive.com/news/flint/index.ssf/2015/04/flint_pastors_plan_news_confer.html

From: Muchmore, Dennis (GOV)
Sent: Monday, April 27, 2015 5:44 PM
To: Workman, Wayne (TREASURY)
Cc: Saxton, Thomas (Treasury); Clement, Elizabeth (GOV); Wurfel, Sara (GOV); Baird, Richard (GOV); Gelisse, Ashley (TREASURY); Storberg, Ann Marie (TREASURY); Koryzno, Edward (Treasury); Headen, Frederick (Treasury)
Subject: Re: scanned doc

Would someone please explain to me how cutting off water to 10,000 people does anything but bring the wrath of God down on all of us?

Sent from my iPhone

On Apr 27, 2015, at 10:29 AM, Workman, Wayne (TREASURY) <WorkmanW@michigan.gov> wrote:

> We received this letter Friday the 24th. Water shut-off threat continues.
>
> ---
>
> **From:** Dempkowski, Angela (Treasury)
> **Sent:** Monday, April 27, 2015 10:26 AM
> **To:** Workman, Wayne (TREASURY)
> **Subject:** scanned doc

<image001.jpg>

Angela Dempkowski | Senior Executive Management Assistant/Treasury
State of Michigan | 430 W. Allegan Street, 1st Floor | Lansing, MI 48922
[redacted] | (517) 373-0633 (fax)
dempkowskia@michigan.gov

Think Green! Don't print this e-mail unless you need to.

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, is for the sole use of the intended recipient(s) and may contain information that is confidential and protected from disclosure under the law. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail, and delete/destroy all copies of the original message and attachments.
Thank you

<DWSD-HP letter.pdf>

From: Muchmore, Dennis (GOV)
Sent: Friday, July 24, 2015 3:56 PM
To: Saxton, Thomas (Treasury)
Cc: Workman, Wayne (TREASURY)
Subject: RE: RDS/DM/EC/JW/NKhouri/TSaxton/WWorkman - Local Government Update

OK

-----Original Message-----
From: Saxton, Thomas (Treasury)
Sent: Friday, July 24, 2015 3:35 PM
To: Muchmore, Dennis (GOV)
Cc: Workman, Wayne (TREASURY)
Subject: RE: RDS/DM/EC/JW/NKhouri/TSaxton/WWorkman - Local Government Update

Next week sometime can Wayne & I have a follow up conversation with you re Flint water? Wayne & I had a call with Brad W. @ DEQ. He is getting back to us re some of the items on your list. So maybe mid-week?
I think the bottom line is Wayne, Brad & I (we would "volunteer") to meet with your minister group here in Lansing [to the extent we can] provide info to some of the issues they raised with you. It may be better that you are not at the meeting. Of course that is your call but maybe let us 'peons' do it. Harvey could be there in your stead; since he knows them. I am sure whatever we convey they probably won't be happy.

-----Original Message-----
From: Muchmore, Dennis (GOV)
Sent: Wednesday, July 22, 2015 2:44 PM
To: Workman, Wayne (TREASURY)
Cc: Clement, Elizabeth (GOV); Wisniewski, Wendy (GOV); Workman, Wayne (TREASURY); Saxton, Thomas (Treasury); Pleyte, Beth (Treasury); Doyle, Maureen (Treasury); Walsh, John (GOV); Khouri, Nick (TREASURY); Dempkowski, Angela (Treasury)
Subject: Re: RDS/DM/EC/JW/NKhouri/TSaxton/WWorkman - Local Government Update

Wayne-
We need to have more discussion relating to Flint water. There seem to be even more issues regarding the water than there should be. I'll have a series of questions that I really need some answers to if you can have someone who understands the problems there. The people there just seem to be getting a raw deal from the city particularly in terms of the information they are getting. I know you are as worried about their health as I am so we kind of need to get answers to some of these concerns.

> On Jul 22, 2015, at 2:08 PM, GovCalendar <GovCalendar@michigan.gov> wrote:
>
> Agenda:

[redacted]

> Flint

> • Water System/KWA

[redacted]

From: Muchmore, Dennis (GOV)
Sent: Wednesday, July 29, 2015 9:03 AM
To: Hollins, Harvey (GOV)
Subject: FW: Updated Memo on Water Coalition Questions - July 29
Attachments: Memo on Water Coalition Questions III.07-29-15.docx; Flint Water Rate History FINAL 02.11.15.pdf

Importance: High

Here's the answers to some of the questions. How do you want to approach the pastors and community leaders, we owe them answers to the questions they asked.

From: Workman, Wayne (TREASURY)
Sent: Wednesday, July 29, 2015 8:36 AM
To: Muchmore, Dennis (GOV); Wurfel, Brad (DEQ); Lyon, Nick (DCH); Clement, Elizabeth (GOV)
Cc: Saxton, Thomas (Treasury); Wisniewski, Wendy (GOV)
Subject: FW: Updated Memo on Water Coalition Questions - July 29
Importance: High

All, Attached is a memo and water rate summary answering several of the questions raised by the Flint pastors. Please let me know if you have any questions. Wayne

Wayne L. Workman
Deputy State Treasurer
Michigan Department of Treasury

From: Cline, Richard (Treasury)
Sent: Wednesday, July 29, 2015 8:21 AM
To: Workman, Wayne (TREASURY)
Cc: Dempkowski, Angela (Treasury); Byrne, Randall (Treasury)
Subject: Updated Memo on Water Coalition Questions - July 29
Importance: High

Wayne,

Attached is the water rate table you asked for and I have updated the memo to reference this as an attachment.

If you need anything else, please let me know.

Note that Rob, Randy and I will be in Benton Harbor for a portion of today conducting their annual RTAB evaluation.

Eric Cline | Department Manager
State of Michigan | Michigan Department of Treasury | Office of Fiscal Responsibility
430 W. Allegan Street, 3rd Floor | Lansing, MI 48922
Lansing Office (517) 335-2078 | [redacted] Traverse City Office (231) 922-5228
E-mail clinerl@michigan.gov

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, is for the sole use of the intended recipient(s) and may contain information that is confidential and protected from disclosure under the law. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail, and delete/destroy all copies of the original message and attachments Thank you.

STATE OF MICHIGAN
DEPARTMENT OF TREASURY
LANSING

RICK SNYDER
GOVERNOR

NICK A. KHOURI
STATE TREASURER

TO: Randall Byrne, State Administrative Manager; Office of Fiscal Responsibility

FROM: Eric Cline, Department Manager; Office of Fiscal Responsibility

SUBJECT: Questions Regarding City of Flint Water System

DATE: July 28, 2015

At a July 23, 2015 meeting, Deputy Treasurer Workman posed several questions regarding the City of Flint's water system. This memo is a response to those questions.

The annual cost to the City of Flint to reconnect to the DWSD system

In a March 3, 2015 memo to Deputy Treasurer Workman, Emergency Manager Ambrose noted that he had been informed by DWSD that such a reconnection would immediately levy a fixed cost on the City of $10.1-million per year.

Actual water purchases would be in addition to the fixed cost fee and would be dependent upon actual usage, but the annual cost was estimated to be as high as $1-million/month; making the entire total of a one year connection back to DWSD as high as $22-million. This cost would be reduced to approximately $19-million/year once the City's $3-million annual expense of operating the water system itself was offset.

These calculations were outlined in a March 2015 memo from the Emergency Manager to Deputy Treasurer Workman and update cost projections provided in a February 11, 2015 memo to Chief Deputy Treasurer Tom Saxton.

The Emergency Manager also stated his concern that for the City to be able to pay these costs that water rates charged to Flint residents would need to be increased by a minimum of 30%. Water rate increases between 2010 and 2015 are illustrated in the table attached.

In addition, DWSD was requiring that the City of Flint negotiate a 30-year contract for the provision of back-up services.

The City of Flint's degree of participation in the management of the KWA system

Mayor Dayne Walling is the City's official representative to the Karegnondi Water Authority (KWA). The participation of the Mayor as the official representative for the City of Flint is established in the KWA Articles of Incorporation. Mayor Walling is the current Chair of the Board of the KWA Board of Directors.

Continued use of Flint River water after the City is connected to the KWA system

The City Administrator has confirmed that once the City is fully connected to the KWA system they will no longer continue to use Flint River water.

The Flint River, however, will be the City's primary back-up water source in the event that a major disruption in the KWA system temporarily prevents the City from receiving water.

The process used to hire Veolia

Veolia responded on January 29, 2015, to a Request for Proposal issued by the City of Flint. Emergency Manager Ambrose made the final decision to retain Veolia.

The importance of hydrant flushing

Fire hydrant flushing is an important part of distribution system maintenance. It is useful in determining flow conditions in water mains.

According to information from the American Water Works Association (AWWA), there are two types of hydrant flushing utilized. The most comprehensive method is fire-flow testing.

Fire-flow testing requires hydrants to be opened, flushed, pressure and flow data to be collected and the potential fire flow at a particular point in a water main to be determined.

Hydrant flushing permits any debris to be cleared from a water main. They process of collecting fire flow data allows the determination of water pressure and flow capabilities for fighting fires at any location within a distribution system. It can also help determine the general condition of a system by detecting reduced water flows in a given area.

Status of the GAC carbon filter installation

Six of the twelve filters will be operational by no later than the first week of August.

Activation of the filters is expected to immediately drop the levels of TTHM within the system.

The remaining six filters are projected to be installed and operational by the end of August.

Status of the DuPont Street Water Main Replacement

After an internal review, the City made the decision to rebid this project.

There were multiple reasons for this decision, which included interference with current road projects, the determination that project bids were too high, and bidding timelines which were not favorable to secure quality bids or contractors.

This project will be rebid by the City later this fiscal year.

If you have any questions or need additional information on this topic, let me know. Thank you.

Attachment

<< AUTO PATH >>

City of Flint Water Rate History

Year (Date Effective)	Average Monthly Water/Sewer Bill*	Percentage Change in Water/Sewer Rates	Water Fund** Total Operating Revenue	Water Fund** Unrestricted Net Position	Water Fund** Capital Improvements
2010	$64	12%	$31,956,754	-$5,795,973	$2,091,160
1/15/2011	$82	29%	$36,762,663	-$12,443,265	$1,403,916
9/16/2011	$111	35%			
7/1/2012	$111	26%	$44,854,439	-$8,758,091	$755,681
2013	$140	0%	$49,903,868	$834,447	$147,462
07/01/13 to 06/30/14	$140	0%	$43,552,152	$760,745	$3,301,700
07/01/14 to 06/30/15	149***	6%	N/A	N/A	N/A

Note* Water rate information is based on average usage of 7 units per month with a 5/8" residential remote meter.
Note** Water fund information was compiled from the City of Flint's CAFR filed with the Michigan Department of Treasury.
Note*** Billing breakdown contained in attached memo.

From: Muchmore, Dennis (GOV)
Sent: Thursday, July 30, 2015 9:47 AM
To: Hollins, Harvey (GOV)
Cc: Clayton, Stacie (GOV); Clement, Elizabeth (GOV)
Subject: Re: Water Filter

Harvey-
Treasury gave us the financial info and KWA info the ministers wanted last week and Tom and Wayne are coming to the meeting. Brad has the test results and the science guy to explain the lead issue and you have the filters (I'd keep that to yourself and bring one to the meeting so you can be a hero). Frankly, I don't see what else we can do. They aren't paying more, the water is ok, and KWA is the long term answer. If they don't like the Mayor, the primary is Tuesday and we really can't get involved in that.

On Jul 29, 2015, at 6:58 PM, Hollins, Harvey (GOV) <hollinsh@michigan.gov> wrote:

> We cannot express how much we appreciate this. Thank you!!
>
> Best,
> Harvey
>
> On Jul 29, 2015, at 5:27 PM, [redacted] wrote:
>
> > They are actually being donated.
> >
> > -
> >
> > On Jul 29, 2015, at 5:23 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:
> >
> > > Thank you, [redacted] for the quick response. Harvey does have an additional question. Is the plan for the state to purchase the filters or is [redacted] donating them? The former is fine and the latter is great. If we purchase them we have to determine the process. If they are donated, I will identify the location in Flint where they will be shipped.
> > >
> > > Stacie
> > >
> > > **From:** [redacted]
> > > **Sent:** Wednesday, July 29, 2015 1:56 PM
> > > **To:** Clayton, Stacie (GOV)
> > > **Cc:** [redacted]
> > > **Subject:** Re: Water Filter
> > >
> > > We are actually good to go and ready to ship vice copied [redacted], the VP over the area and my assistant.

Just let us know the "ship to" and we are on our way.

On Jul 29, 2015, at 1:47 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:

> Hi [redacted]
>
> I hope you are doing well and enjoying your summer. Please let me know a convenient time for a phone call with you so we can discuss the water filters.
>
> Thank you,
> Stacie
>
> ***Stacie Clayton, Assistant Director***
> Harvey Hollins III, Director
> Governor's Office of Urban Initiatives
> 3044 West Grand Boulevard, Ste. 14-650
> Detroit, MI 48202
> 313.456.4994 (office)
> claytons3@michigan.gov
>
> ---
>
> **From:** Hollins, Harvey (GOV)
> **Sent:** Wednesday, July 29, 2015 1:43 PM
> **To:** Clayton, Stacie (GOV)
> **Subject:** Fwd: Water Filter
>
> Best,
> Harvey
>
> Begin forwarded message:
>
> > **From:** "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
> > **Date:** July 27, 2015 at 8:42:42 AM EDT
> > **To:** [redacted]
> > "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>
> > **Subject: Re: Water Filter**

[redacted]

Thank you. We will work with [redacted] to identify the appropriate entity to receive the filters for Flint residents. In addition, we'll keep you out the public eye on this.

Please know, however, how much we appreciate [redacted] and most importantly you for doing this.

Best,
Harvey

On Jul 27, 2015, at 7:44 AM, [redacted] wrote:

Harvey -

We are all set. [redacted] can serve as liaison on this one. The merchant team can source 1,500 filters. We will get them to the community at cost. My guess is this will be $20k or so, but the team will give you a final number.

Because we don't want to be a state vendor, we won't sell them to you. [redacted] will work out logistics of whether we make a donation of gift cards to the state that you use to purchase them,

or whether there is some other entity to which we can give them.

Given all the circumstances, we are not interested in any publicity. We want it to be clear that the state is providing these, not [redacted]

Thanks for reaching out.

[redacted]

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Thursday, July 23, 2015 12:20 PM

To: [redacted]

Subject: RE: Water Filter

Thank you.

-----Original Message-----

From: [redacted]

Sent: Thursday, July 23, 2015 10:57 AM

To: Hollins, Harvey (GOV)

[redacted]

Subject: RE: Water Filter

Will get back soon.

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Wednesday, July 22, 2015 12:17 PM

To: [redacted]

Subject: Water Filter

[redacted]

Per our last conversation, I expressed that we were interested acquiring and distributing 1500 water filters to Flint residents to assist with the quality (perceived or real) of their drinking water until the KWA pipeline comes online.

A few weeks ago, you asked me to send you the product ID number so you could check with your suppliers regarding price. I apologize for taking long to send you product ID; a number of conversations needed to occur in Flint

before we could proceed.

The product ID for a Brita Filter for kitchen faucets is:

Product ID 3176421

UPC 7-23987-0078

Thank you for taking the time to look into this.

Best,

Harvey Hollins III, Director

Governor's Office of Urban Initiatives

313.456.4994<tel:313.456.4994> (office)

[redacted]

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the

sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

From: Muchmore, Dennis (GOV)
Sent: Friday, July 31, 2015 11:38 AM
To: Hollins, Harvey (GOV)
Subject: RE: Updated Memo on Water Coalition Questions - July 29

I can do it here, can't go to Flint.

From: Hollins, Harvey (GOV)
Sent: Wednesday, July 29, 2015 11:21 AM
To: Muchmore, Dennis (GOV)
Cc: Clayton, Stacie (GOV)
Subject: Re: Updated Memo on Water Coalition Questions - July 29

If your schedule permits, let's go to Flint to meet with them next week, or we can ask them to come back to Lansing. We should convey the response verbally and in person. If you're open to it, I'll ask Stacie to schedule that meeting next week.

Best,
Harvey

On Jul 29, 2015, at 9:03 AM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:

> Here's the answers to some of the questions. How do you want to approach the pastors and community leaders, we owe them answers to the questions they asked.
>
> ---
>
> **From:** Workman, Wayne (TREASURY)
> **Sent:** Wednesday, July 29, 2015 8:36 AM
> **To:** Muchmore, Dennis (GOV); Wurfel, Brad (DEQ); Lyon, Nick (DCH); Clement, Elizabeth (GOV)
> **Cc:** Saxton, Thomas (Treasury); Wisniewski, Wendy (GOV)
> **Subject:** FW: Updated Memo on Water Coalition Questions - July 29
> **Importance:** High
>
> All, Attached is a memo and water rate summary answering several of the questions raised by the Flint pastors. Please let me know if you have any questions. Wayne
>
> Wayne L. Workman
> Deputy State Treasurer
> Michigan Department of Treasury
>
> ---
>
> **From:** Cline, Richard (Treasury)
> **Sent:** Wednesday, July 29, 2015 8:21 AM
> **To:** Workman, Wayne (TREASURY)
> **Cc:** Dempkowski, Angela (Treasury); Byrne, Randall (Treasury)
> **Subject:** Updated Memo on Water Coalition Questions - July 29
> **Importance:** High
>
> Wayne,

Attached is the water rate table you asked for and I have updated the memo to reference this as an attachment.

If you need anything else, please let me know.

Note that Rob, Randy and I will be in Benton Harbor for a portion of today conducting their annual RTAB evaluation.

Eric Cline | Department Manager
State of Michigan | Michigan Department of Treasury | Office of Fiscal Responsibility
430 W. Allegan Street, 3rd Floor | Lansing, MI 48922
Lansing Office (517) 335-2078 | [redacted] | Traverse City Office (231) 922-5228
E-mail clinerl@michigan.gov

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, is for the sole use of the intended recipient(s) and may contain information that is confidential and protected from disclosure under the law. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail, and delete/destroy all copies of the original message and attachments Thank you.

<Memo on Water Coalition Questions III.07-29-15.docx>

<Flint Water Rate History FINAL 02.11.15.pdf>

From: Muchmore, Dennis (GOV)
Sent: Thursday, September 03, 2015 8:19 AM
To: 'Workman, Wayne (TREASURY)'; Saxton, Thomas (Treasury); Agen, Jarrod (GOV); Clement, Elizabeth (GOV); 'Wurfel, Sara (GOV)'; Murray, David (GOV)
Subject: FW: info about KWA from Drain Commissioner Jeff Wright
Attachments: SKMBT_65215090211430.pdf

FYI

From: Karen Teeples [mailto:K_TEEPLES@gcdcwws.com]
Sent: Wednesday, September 2, 2015 11:44 AM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>
Subject: info about KWA from Drain Commissioner Jeff Wright

GENESEE COUNTY DRAIN COMMISSIONER'S OFFICE
JEFFREY WRIGHT
COMMISSIONER
G-4608 BEECHER ROAD, FLINT, MI 48532
PHONE (810) 732-1590 FAX (810) 732-1474

MEMORANDUM

DATE: September 2, 2015

TO: Dennis Muchmore, Chief of Staff, State of Michigan, Office of the Governor
Harvey Hollins III, Director, Office of Urban Initiatives, State of Michigan

FROM: Jeff Wright, Drain Commissioner, Genesee County

SUBJECT: Karegnondi Water Authority
Fact Sheets

Gentlemen,

Find enclosed 3 items as promised at our meeting of August 26, 2015.

1. Original Fact Sheet
   DWSD vs. KWA: 5/1/12

2. KWA Fact Sheet: 9/1/15

3. DWSD Cost of Water

Should you have any questions, do not hesitate to contact me directly at 810-287-1925.

VIA EMAIL: [redacted]

Fact Sheet
City of Flint
DWSD versus KWA

Issue: City of Flint joining Karegnondi Water Authority and leaving City of Detroit water system

Fact: Both the City of Flint and City of Detroit operate their water system via enterprise funds. The water fund does not impact either community's general fund. Leaving the water system will not impact the general fund.

Fact: The City of Flint is a suburban customer of Detroit. If Flint leaves, it only impacts the suburban customer rate, not Detroit's.

Fact: Detroit's own plan calls for (latest available estimate) $1.2 billion dollar improvements to supply redundancy to Flint. If Flint leaves, Detroit avoids this construction cost.

Fact: Detroit and DWSD have experienced bond rating decreases in recent months. If Flint leaves, DWSD avoids a new bond issue and eliminates a capital project from its master plan improving its financial outlook.

Fact: Delivering water to Flint from DWSD is expensive. If Flint leaves, DWSD can reduce its operating and maintenance costs to its contracted customers.

Fact: DWSD has a limited capacity for water treatment and delivery. If Flint leaves, the City can resell that volume to other customers.

Fact: DWSD has multiple drinking water treatment plants. Some are more expensive to operate and maintain than others. Without a commitment to Flint, its largest customer other than the City of Detroit, DWSD may choose to discontinue operation of one or more of its current facilities and realize significant cost reductions to the overall system.

Fact: Flint is not part of the DWSD sewer system. The City of Flint leaving has no impact on the sewer system.

Fact: The creation of the KWA system will create over 1,000 construction jobs in Michigan. Design and construction of the system will take 42 months from July 2012 through December 2015.

Fact: KWA is offering a fixed rate for capital to its customers. Flint joining KWA will give the City a stable rate for upwards of 20 years.

Fact: KWA will offer raw water to the region. Raw water is not enhanced with chemicals, which is undesirable to agribusiness.

Fact: The I-69 corridor/I-75 corridor crosses in Flint. Along with CN and CSX and the pipeline aerotropolis, Flint can be a major transportation center for agribusiness. KWA can provide two products for agribusiness: potable and process (raw) water, and wastewater treatment facilities.

Fact: DWSD does not serve the Thumb region. KWA with its partners will be able to serve both the population with its basic needs: drinking water and the businesses with large quantities of process (raw) water.

Fact: DWSD is the only water supplier for over 4 million residents of the state. The creation of the KWA will create a second water supply system thereby reducing the impact of terrorist attacks on water supplies. With a mutual aid agreement between DWSD and KWA, the system could complement each other.

Fact: DWSD does not provide water supply to major portions of the KWA service area. KWA will provide local municipalities in the thumb region with an alternative water supply to the Arsenic impacted well systems.

In addition, local communities can replace groundwater systems with KWA surface water system and thereby improve local groundwater levels.

The KWA system will provide fire protection service to regions currently not served.

Fact: The current DWSD water system has over 20% water loss in its system. KWA's water supply is expected to have less than a 5% water loss. KWA will provide a more effective use of the waters of the state.

Fact: KWA provides redundant water supply to Flint. Currently, DWSD only provides a single source to Flint. KWA provides multiple supply sources to Flint at a fraction of the cost.

Fact: KWA has offered to purchase excess infrastructure from DWSD. If Flint leaves, Detroit has 25 miles of watermain it no longer needs. KWA has offered to purchase the pipeline and enter into a long-term arrangement for purchase of water from DWSD.

Fact: Each incorporating municipality in KWA will pay the same rate for raw water; therefore, each community will set its own treatment standards and exert local control of the cost of water it provides to its citizens.

Fact: Lapeer and Sanilac Counties are facing depletion of their groundwater supplies.

Karegnondi Water Authority (KWA) Fact Sheet

- KWA is incorporated by the State of Michigan, comprised of the City of Flint, City of Lapeer, Genesee County, Lapeer County, and Sanilac County.

- As specified in its Articles of Incorporation, each of these constituent municipalities has one representative to the board – specifically the Mayors or their designees of the 2 cities (Flint and Lapeer), the Drain Commissioners or their designees from each of the counties (Sanilac, Lapeer, and Genesee).

- KWA will deliver raw water to customer utilities.

- Each governmental unit will still own and operate their respective treatment and distribution systems. GCDC will have no jurisdiction over the City of Flint water. Flint will have all franchise rights for sale and treatment of water from KWA within the City of Flint.

- Each community that obligates itself to the debt for construction of the KWA infrastructure pipeline, intake and pump stations, receives commensurate voting membership to the board.

- Flint's debt obligation is based on the volume as selected by the city.

- Additional members are appointed by their respective communities.

- All board members serve without compensation.

- KWA will operate with 5 to 7 full-time equivalent employees. KWA will contract its labor force.

- To date, only the City of Flint and Genesee County have bought capacity in the project.

- Once KWA water is available, each community receiving untreated Lake Huron water from KWA will pay a share of the operating costs, i.e.: electricity, labor, maintenance, and chemicals in proportion to the volume of water they receive.

- KWA has created a capacity of 60 million gallons per day (mg).

- Flint has purchased 18.0 mgd. Genesee County has purchased 42 mgd. Each purchaser pays based on their purchased capacity. The total project cost will be divided by 60 (total capacity) and each purchaser, Flint and Genesee, will pay the same price per unit.

- The operation and maintenance cost will also be charged based upon the volume purchased annually.

- If a community exceeds capacity, it must either purchase or rent capacity from a community with excess.

- There exists a 30 day rolling average, which will determine if any community exceeds purchased capacity. Water volume purchased for capacity purposes will be calculated on the basis of a 30-day average.

- Capital costs for Flint will be a flat rate of approximately $6.8 million over 30 years.

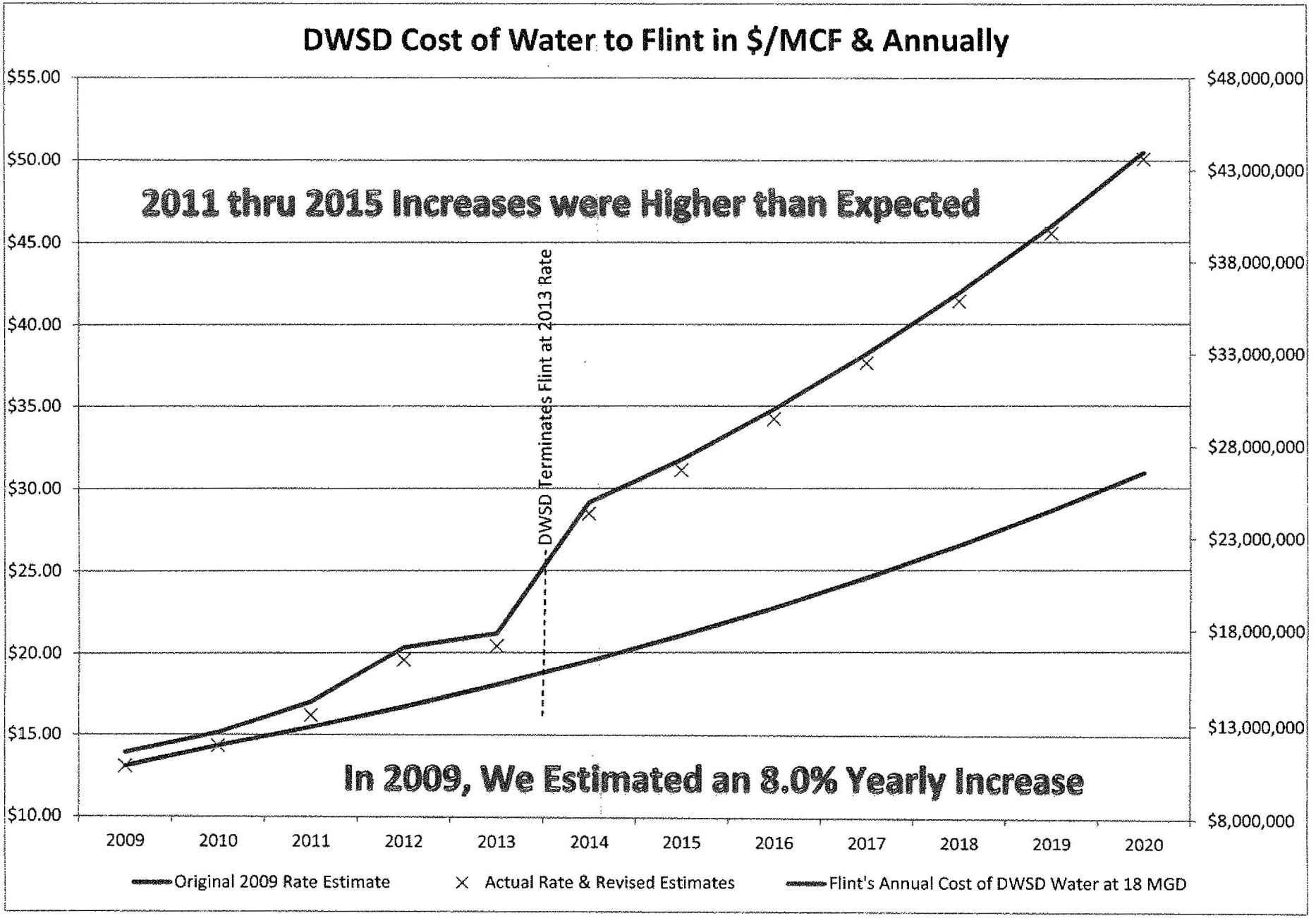
- To date, KWA is below its construction cost projection of $274 million.

- 90 percent of the KWA pipeline route is constructed along public right of ways.

- Any land required, that was outside the road right-of-way, was purchased from the original land owners, not a 3rd party short-term owner.

- All KWA construction contracts have been publically and competitively bid.

- No tax dollars, (Federal, State, or Local) are being used to fund this project. All project costs for KWA are being paid by the Flint and Genesee County water users.


DWSD Cost of Water to Flint in $/MCF & Annually
2011 thru 2015 Increases were Higher than Expected
In 2009, We Estimated an 8.0% Yearly Increase
DWSD Terminates Flint at 2013 Rate
$55.00
$50.00
$45.00
$40.00
$35.00
$30.00
$25.00
$20.00
$15.00
$10.00
$48,000,000
$43,000,000
$38,000,000
$33,000,000
$28,000,000
$23,000,000
$18,000,000
$13,000,000
$8,000,000
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
Original 2009 Rate Estimate
Actual Rate & Revised Estimates
Flint's Annual Cost of DWSD Water at 18 MGD

From: Muchmore, Dennis (GOV)
Sent: Wednesday, September 23, 2015 1:25 PM
To: 'Clement, Elizabeth (GOV)'
Subject: Andy Leavitt

Don't forget to call andy about the supposed Flint chase and also talk about the DHHS and the controversy with lead based blood samples allegedly from water.

From: Muchmore, Dennis (GOV)
Sent: Tuesday, October 13, 2015 9:26 AM
To: Kevin K. Kilby
Cc: Workman, Wayne (TREASURY); Wyant, Dan (DEQ); John O'Brien; David Jansen
Subject: Re: Letter to Wolfson October 12 final

Thank you. It doesn't surprise me that we have another hurdle in all of this. I appreciate your acknowledgement that GCDC will do everything in its power to help the people of Flint in this effort to reconnect to DWSD. Our first objective is to restore the health of the people, then their trust, and of course these objectives are partially accomplished through the reconnect and the efforts of your client.

On Oct 12, 2015, at 1:16 PM, Kevin K. Kilby <kkilby@mcgrawmorris.com> wrote:

> Gentleman –
>
> I represent the Genesee County Drain Commissioner's Office. The Commissioner requested that I send you the attached information regarding DWSD supplying water to Flint.
>
> Sincerely,
>
> Kevin Kilby
> Partner and Attorney at Law
> McGraw Morris P.C.
> 2075 W. Big Beaver Road
> Suite 750
> Troy, Michigan 48084
> Office: (248) 502-4000
> Fax: (248) 502-4001
> Cellular: [redacted]
> kkilby@mcgrawmorris.com
> www.mcgrawmorris.com

CONFIDENTIAL AND ATTORNEY/CLIENT PRIVILEGED:

This e-mail and any attachments are confidential, intended for the addressee only and may be attorney/client privileged. If you are not the addressee, then please DO NOT read, copy or distribute the message or any attachment. Please reply to the sender that you received the message in error and delete it. Thank you.

CIRCULAR 230 DISCLOSURE In accordance with U.S. Treasury regulations, if this message from McGraw Morris, P.C. (or any attachment) contains advice concerning one or more Federal tax issues, it is not a formal legal opinion and may not be used by any person for the avoidance of Federal tax penalties.

<Letter to Wolfson October 12 final.pdf>

<Request From Flint.pdf>

<Letter to Wolfson Final.pdf>

From: Muchmore, Dennis (GOV)
Sent: Tuesday, October 13, 2015 9:28 AM
To: Baird, Richard (GOV)
Subject: Fwd: Letter to Wolfson October 12 final
Attachments: Letter to Wolfson October 12 final.pdf; ATT00001.htm; Request From Flint.pdf; ATT00002.htm; Letter to Wolfson Final.pdf; ATT00003.htm

It would probably be helpful if you could get GLWA's attention to acknowledge this GCDC request.

Begin forwarded message:

From: "Kevin K. Kilby" <kkilby@mcgrawmorris.com>
Date: October 12, 2015 at 12:37:38 PM EDT
To: <workmanW@michigan.gov>, <muchmoreD@michigan.gov>, <wyantD@michigan.gov>
Cc: "'Kevin K. Kilby'" <kkilby@mcgrawmorris.com>, 'John O'Brien' <jfobrien@gcdcwws.com>, 'David Jansen' <djansen@gcdcwws.com>
Subject: Letter to Wolfson October 12 final

Gentleman –

I represent the Genesee County Drain Commissioner's Office. The Commissioner requested that I send you the attached information regarding DWSD supplying water to Flint.

Sincerely,

Kevin Kilby
Partner and Attorney at Law
McGraw Morris P.C.
2075 W. Big Beaver Road
Suite 750
Troy, Michigan 48084
Office: (248) 502-4000
Fax: (248) 502-4001
Cellular: [redacted]
kkilby@mcgrawmorris.com
www.mcgrawmorris.com

CONFIDENTIAL AND ATTORNEY/CLIENT PRIVILEGED:

This e-mail and any attachments are confidential, intended for the addressee only and may be attorney/client privileged. If you are not the addressee, then please DO NOT read, copy or distribute the message or any attachment. Please reply to the sender that you received the message in error and delete it. Thank you.

CIRCULAR 230 DISCLOSURE In accordance with U.S. Treasury regulations, if this message from McGraw Morris, P.C. (or any attachment) contains advice concerning one or more Federal tax issues, it is not a formal legal opinion and may not be used by any person for the avoidance of Federal tax penalties.

MCGRAW MORRIS P.C.
GRAND RAPIDS TROY SAGINAW

THOMAS J. MCGRAW
G. GUS MORRIS
CRAIG R. NOLAND
STACY J. BELISLE
KEVIN K. KILBY
CHRISTOPHER J. RAITI
JOHN A. MULLETT

2075 W. BIG BEAVER ROAD
SUITE 750
TROY, MICHIGAN 48084
TELEPHONE: (248) 502-4000
FACSIMILE: (248) 502-4001

October 12, 2015

Via Email: wolfson@dwsd.org
William M. Wolfson
Chief Administrative and Compliance Officer/General Counsel, DWSD
Interim General Counsel, GLWA
735 Randolph Street
Detroit Michigan 48226

Re: Increase in average day and maximum peak day by GCDC

Dear Mr. Wolfson:

The Genesee County Drain Commissioner's Office, Division of Water and Waste Services ("GCDC") has been working diligently to fulfill the demands of the various state and federal agencies, Governor Snyder, and the people of the City of Flint ("Flint"), to provide Flint with water from the Detroit Water and Sewerage Department ("DWSD"). These efforts include placing approximately seven (7) miles of the seventy-two inch (72") water transmission pipeline ("Pipeline") that GCDC purchased from Flint back into service, pressurizing the Pipeline, disinfecting the Pipeline, flushing the Pipeline, and performing Bac-T testing on the water inside of the Pipeline. Once these efforts have materialized and GCDC has received two (2) negative Bac-T tests, GCDC will be in a tactical position to furnish DWSD water to Flint as early as midweek.

On October 8, 2015, I sent you a letter after GCDC received a formal request from Flint for GCDC to provide DWSD water to Flint pursuant to a previous written agreement between GCDC and Flint. As of today, I have not received your response. In the October 8, 2015, letter I requested the following:

> GCDC has received a formal request from Flint to receive DWSD water via GCDC per GCDC's contract with Flint. GCDC's rates are currently based on 12 mgd average day and 25 mgd maximum peak day. Does DWSD have the capacity to increase demand to GCDC to 28.5 mgd average day and 51 mgd peak day? If so, could you please provide GCDC with the rates for 28.5 mgd average and 51 mgd peak day through June 30, 2016?

Attorney Anthony Chubb from Flint has provided me with a proposed WATER SERVICE CONTRACT BETWEEN CITY OF DETROIT AND CITY OF FLINT ("Contract"). This Contract makes the assumption that Flint has a separate connection to the DWSD water distribution system. The interconnect between the DWSD water system and the Flint water system is owned by GCDC. Flint does not have a separate connection to the DWSD water distribution system. Any water that Flint receives

from DWSD is required to flow through GN-01. Additionally, GCDC has received no communication from DWSD on this subject since the Flint water issue surfaced. Simply stated, DWSD has the ability to service Flint with water only through the interconnect owned by GCDC.

GCDC is working diligently to move forward with Flint receiving DWSD water; however, GCDC cannot do anything until it has an agreement with DWSD and Flint as to how the DWSD water will be transmitted to Flint. Right now, Flint is requesting GCDC to provide DWSD water GN-01 pursuant to the written agreement between GCDC and Flint. Additionally, Flint has also request DWSD to provide Flint with water with the understanding that DWSD has no way to transmit the water to Flint. There is no question that Flint wants and eventually will be serviced with DWSD water; however, DWSD and Flint cannot continually ignore the fact that GCDC owns and operates the interconnect between DWSD and Flint.

GCDC has been working diligently to assist Flint in receiving DWSD water; however, DWSD to date has been unwilling to provide GCDC the information it needs so that Flint may switch over the DWSD water. When you have prepared your response, please send it to kkilby@mcgrawmorris.com or contact Director John O'Brien at [redacted]

Sincerely,

MCGRAW MORRIS P.C.

Kevin K. Kilby
Attorney at Law

Cc: Jeff Wright, Drain Commissioner, GCDC
John O'Brien, Director GCDC
Dennis Muchmore, Chief of Staff, Governor's Office, w/attachments
Wayne Workman, Deputy Treasurer, Michigan Department of Treasury, w/attachments
Dan Wyant, Director, MDEQ, w/attachments
Laurie Koester, DWSD
Dayne Walling, Mayor, City of Flint
Anthony Chubb, Attorney, City of Flint

N:\GCDC\2155-1000 (General)\Contracts and Agreements\Flint Emergency Water Purchase\Letter to Wolfson October 12 final.doc

John O'Brien

From:	achubb@cityofflint.com
Sent:	Thursday, October 08, 2015 12:30 PM
To:	John O'Brien; Kevin Kilby
Cc:	Byrne, Randall (Treasury); wyantd@michigan.gov; workmanw@michigan.gov; Warren Vyvyan; Dayne Walling; Peter Bade; Natasha Henderson
Subject:	Re: DWSD

John and Kevin,

Per our contract, the City is requesting flow of 16.5mgd average, 26mgd max flow. Please notify of intent to provide and costs as soon as possible.

Anthony Chubb
Interim Director of Human Resources and Labor Relations
Deputy City Attorney
City of Flint

Sent from my iPhone

On Oct 8, 2015, at 11:51 AM, John O'Brien <jfobrien@gcdcwws.com> wrote:

> Tony
>
> The County and City Have a current contract we will honor that agreement.
> The DWSD recognizes this issue as identified in the last sentence of paragraph 1 d)
>
> John
>
> **From:** Anthony Chubb [mailto:achubb@cityofflint.com]
> **Sent:** Thursday, October 08, 2015 11:25 AM
> **To:** John O'Brien <jfobrien@gcdcwws.com>; Kevin K. Kilby <kkilby@mcgrawmorris.com>
> **Subject:** Fwd: DWSD
>
> See below. I had your old email in my history.
>
> Anthony Chubb
> Interim Director of Human Resources and Labor Relations
> Deputy City Attorney
> City of Flint
> 1101 S. Saginaw Street, 3rd Floor
> Flint, MI 48502
>
> (810) 237-2078
>
> This communication, along with any documents, files or attachments, is intended only for the use of the addressee and may contain legally privileged and confidential information. If you are not the intended

MCGRAW MORRIS P.C.
GRAND RAPIDS TROY SAGINAW

THOMAS J. MCGRAW
G. GUS MORRIS
CRAIG R. NOLAND
STACY J. BELISLE
KEVIN K. KILBY
CHRISTOPHER J. RAITI
JOHN A. MULLETT

2075 W. BIG BEAVER ROAD
SUITE 750
TROY, MICHIGAN 48084
TELEPHONE: (248) 502-4000
FACSIMILE: (248) 502-4001

October 8, 2015

Via Email: wolfson@dwsd.org
William M. Wolfson
Chief Administrative and Compliance Officer/General Counsel, DWSD
Interim General Counsel, GLWA
735 Randolph Street
Detroit Michigan 48226

Re: Increase in average day and maximum peak day by GCDC

Dear Mr. Wolfson:

GCDC has received a formal request from Flint to receive DWSD water via GCDC per GCDC's contract with Flint. GCDC's rates are currently based on 12 mgd average day and 25 mgd maximum peak day. Does DWSD have the capacity to increase demand to GCDC to 28.5 mgd average day and 51 mgd peak day? If so, could you please provide GCDC with the rates for 28.5 mgd average and 51 mgd peak day through June 30, 2016?

As you are aware, time is of the essence. I would respectfully ask that if at all possible you could provide answers to the above two (2) questions stated above by 5:00 p.m. today. It is anticipated that if DWSD has the capacity and all of the issues between Flint and GCDC are resolved, GCDC anticipates providing Treated Water to Flint within the next seven (7) days.

If you should have any questions or concerns regarding this communication, please feel free to contact me at 810-569-0352 or via email at kkilby@mcgrawmorris.com.

Sincerely,

MCGRAW MORRIS P.C.

Kevin K. Kilby
Attorney at Law

N:\GCDC\2155-1000 (General)\Contracts and Agreements\Flint Emergency Water Purchase\Letter to Wolfson Final.doc

From: Muchmore, Dennis (GOV)
Sent: Friday, October 23, 2015 12:10 PM
To: 'Wyant, Dan (DEQ)'
Subject: RE: 2015-10-23 Flint Drinking Water Action Plan Update - FOIA EXEMPT AND ATTORNEY-CLIENT PRIVILEGED

How are you doing at the end of this week? You ok? I'm worried about you a little.

From: Wyant, Dan (DEQ)
Sent: Friday, October 23, 2015 12:07 PM
To: Scott, Allison (GOV) <scotta12@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Emmitt, Beth (GOV) <emmittb@michigan.gov>; Bedan, Morgan (GOV) <BedanM@michigan.gov>
Cc: Wyant, Dan (DEQ) <WyantD@michigan.gov>; Dickinson, Sarah (GOV) <DickinsonS@michigan.gov>; Edgerton, Shelly (LARA) <EdgertonS1@michigan.gov>; Dykema, Linda D. (DHHS) <DykemaL@michigan.gov>
Subject: 2015-10-23 Flint Drinking Water Action Plan Update - FOIA EXEMPT AND ATTORNEY-CLIENT PRIVILEGED

Dear Governor's Office:

Please provide the following to the Governor as a part of his daily briefing packet. If you have any questions, please let us know.

1. Action Steps Updated Document for the week of October 19-23, 2015
2. Flint Drinking Water Action Plan Update

Thank you.

Dan Wyant
Director

P.S. We are adding Shelly Edgerton, DLARA and Linda Dykema, DHHS as a cc to these daily e-mail communications in the future.

From: Muchmore, Dennis (GOV)
Sent: Tuesday, November 17, 2015 3:36 PM
To: Dennis Muchmore
Subject: FW: request for comment on congressman's letter
Attachments: Kildee nov 13 2015 latest letter.pdf

From: Muchmore, Dennis (GOV)
Sent: Tuesday, November 17, 2015 3:36 PM
To: Mcbride, Bill (GOV) <mcbrideb@michigan.gov>
Cc: Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Scott, Allison (GOV) <scotta12@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>
Subject: RE: request for comment on congressman's letter

I do not believe we should respond to this over the top letter for both legal and philosophical reasons. Responding to this just feeds his narrative. How about we not issue a letter in response? Here's my issues:

1. First paragraph, top of second page. "...additional steps that need to be taken to remediate the damage done to the people of Flint due to the failures at the state government level, alongside the forgiveness of Flint's Revolving Funds loan debt if that becomes available." All of these emotionally charged and essentially unfounded accusations suggest the state's culpability in levying damages to "the people of Flint". There are definitely people in Flint (mostly poor and without many resources but also many other people) struggling with an old system, brown water, lead and unsavory health problems that have been put through several months of alarm and struggle, but let's try to deal with human beings and not political bombast. Let's identify and solve problems. Literally hundreds of state employees have worked night and day to resolve these issues. Are we going to blame state employees indiscriminately when our people were simply trying to do their jobs to the best of their ability and were unable to anticipate (for whatever reason) all the consequences?
2. First bullet point. "...and other state resources such as the rainy day and general funds to repair damage done...". Sorry, but we're not going to commit the general fund to repair "...Flint's water distribution system." What does that mean? And if we sign on to that then where does it stop and what repairs?
3. Second paragraph. "...hundreds of millions of dollars of damage....". Where did this come from? I take it the Congressman is now a self-appointed expert on water systems and their cost?
4. Second bullet. "...the state create a fund for ongoing assistance...." We already have several funds to deal with lead exposure and we have multiple programs, WIC, Medicaid, health endowment, etc. to assist people in need. Why would we create another fund?
5. Third paragraph. "...need for significant investments in the local health system in order to respond....". We already make significant investments in the local system. They were able to identify the danger early and I would assume they will be significant players in the future. Additionally, DHHS has a myriad of programs already in place to assist the local health system, which I don't need to remind everyone is a city owned hospital and for whatever reason never consulted by the city when the KWA conversion was being studied and proposed. That system also never objected nor tested the Flint River before, even though the river was always the city's source backup. Even the proposal prior to the state's involvement considered using two million gallons of Flint River water and that was a public record. But, that's another issue best left to another time.
6. Third bullet. "...rescind Flint's obligation to provide $2 million for the cost of connecting....". The state gave the city $2.1 million to help the water system during the summer, and part of the agreement to get the $6 million from the legislature for the emergency was contingent on Flint contributing a share.

7. Fourth paragraph. "…for the state's failures is an abdication of clear responsibility….". First of all, it's not a state's failures, it is a perhaps avoidable mistake made with the corrosives that was unacceptable to us, the Director and Governor are taking actions to fix the problems, the health and wellness of the people of Flint is our absolute concern, and it's not an abdication of clear responsibility. The "…state-appointed emergency manager was in charge…" may well be accurate for the physical change, but the decision to leave the Detroit system was made when the city, the Mayor, the council, the county, local leaders and the KWA was devised and that was well before the physical change.

For these reasons and others, I'd prefer Sara's general assistance and aid comments and not responding to the letter.

From: Hollins, Harvey (GOV)
Sent: Tuesday, November 17, 2015 1:19 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Cc: Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Mcbride, Bill (GOV) <mcbrideb@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>
Subject: Re: request for comment on congressman's letter

That's what I suggested; however after given it second thought, I think a simple reply should go something like:

"Thank you for your concerns regarding Flint. I've established a task force of experts who will advise us how to proceed, and I will be more than happy to send you their findings to you."

Best,
Harvey Hollins III, Director
Governor's Office of Urban Initiatives

313.456.4994 (office)
[redacted] (Cell)

On Nov 17, 2015, at 11:30 AM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:

> I think we should ignore the letter. We gain nothing by responding. I will send to Dan separately unless you all go crazy.
>
> ---
>
> **From:** Wurfel, Sara (GOV)
> **Sent:** Tuesday, November 17, 2015 10:06 AM
> **To:** Mcbride, Bill (GOV) <mcbrideb@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>
> **Subject:** FW: request for comment on congressman's letter
>
> Please see below. Know we talked about this yesterday briefly at senior staff. What is status of response? Otherwise, will stick to basics and focus on moving forward piece, along with seeing if any specific updates from DEQ.
>
> ---
>
> **From:** Ronald Fonger [mailto:RFONGER1@mlive.com]
> **Sent:** Tuesday, November 17, 2015 9:53 AM
> **To:** Wurfel, Sara (GOV) <Wurfels@michigan.gov>
> **Subject:** request for comment on congressman's letter

Hi Sara:
I've attached a copy of a letter Congressman Kildee sent to Gov. Snyder last week concerning Flint water issues.
I didn't know if there has been a formal reply and/or if you would want to comment on it.
Thanks,

Ron Fonger
MLive Media Group
Reporter

mobile [redacted]
email rfonger1@mlive.com
address 540 S. Saginaw St. #101, Flint MI 48502

DANIEL T. KILDEE
5TH DISTRICT, MICHIGAN

COMMITTEE ON
FINANCIAL SERVICES

SUBCOMMITTEE ON
HOUSING AND INSURANCE

SUBCOMMITTEE ON
MONETARY POLICY AND TRADE

SENIOR WHIP

DEMOCRATIC POLICY AND
COMMUNICATIONS COMMITTEE

Congress of the United States
House of Representatives
Washington, DC 20515

WASHINGTON OFFICE

227 CANNON HOUSE OFFICE BUILDING
WASHINGTON, DC 20515
(202) 225-3611
(202) 225-6393 (FAX)

DISTRICT OFFICE

111 EAST COURT STREET #3B
FLINT, MI 48502
(810) 238-8627
(810) 238-8658 (FAX)

WWW.DANKILDEE.HOUSE.GOV
/REPDANKILDEE
@REPDANKILDEE

November 13, 2015

Governor Rick Snyder
Executive Office of the Governor
P.O. Box 30013
Lansing, Michigan 48909

Governor Snyder:

I would like to provide you an update with some of the work we are doing in response to your letter on October 2, 2015 letter. I also have three requests of the state that are necessary to provide relief to the victims of the Flint water crisis.

First, Senator Stabenow, Senator Peters and I wrote a letter to the U.S. Environmental Protection Agency (EPA) asking for clarification on whether federal law permits states to use Safe Drinking Water State Revolving Funds (Revolving Funds) to finance the replacement of privately owned lead water service lines (attached). The EPA responded that the Revolving Funds can in fact be used for this purpose. My office immediately notified both your office and the Michigan Department of Environmental Quality of this fact.

Secondly, the three of us also wrote to Secretary Tom Vilsack requesting that the U.S. Department of Agriculture (USDA) provide greater clarification on the availability of "Ready to Feed" formula for recipients of Special Supplemental Nutrition Program for Women, Infants and Children (WIC) in Flint. Additionally, the letter asks to identify resources to improve the nutrition of Flint residents specifically as it relates to lead, because a certain diet can reduce some of the impact of exposure. The USDA is currently reviewing the letter.

Third, I have been working with the EPA on important revisions to the Lead and Copper Rule that would prevent a public health crisis like the one in Flint from happening again in other communities. I will be providing testimony at a meeting of the National Drinking Water Advisory Council next Wednesday, November 18 on what we have learned firsthand in Flint and the necessary improvements to the Lead and Copper Rule.

I will continue to pursue all of these avenues in order to find assistance for the people of Flint. There are, however, additional steps that need to be taken to remediate the damage done to the people of Flint due to the failures at the state government level, alongside the forgiveness of Flint's Revolving Funds loan debt if that becomes available. I urge state and local partners to work in coordination to fulfill the following requests.

- First, I request that the state of Michigan use its Revolving Funds and other state resources such as the rainy day and general funds to repair the damage done to Flint's water distribution system.

Due to the corrosive nature of the water, conservative estimates show there has been hundreds of millions of dollars of damage done to Flint's water distribution system. The damage to the system will increase maintenance costs resulting in higher rates for Flint water users, who already are burdened by the highest water rates in the state. Furthermore, the presence of over 15,000 lead service lines continues to threaten the quality of the water and creates the potential for future lead exposure through drinking water. As stated previously, the EPA has said that using the Revolving Funds for this purpose is allowed under federal law, and I request the state do so.

- Second, I request the state create a fund for ongoing assistance to the people of Flint to respond to the impacts of lead exposure.

The effects of lead are serious and permanent, with especially harmful impacts on young children and those with weakened immune systems. In discussions with health professionals, they have expressed the need for significant investments in the local health system in order to respond to the widespread exposure of lead to the people of Flint, including monitoring of future lead exposure. This fund should include support for, at a minimum, continuous health monitoring, early education programs, nutrition education, support services for children to succeed in school, and continued exposure prevention efforts. The investments we make now to combat the negative impacts of lead exposure will pay dividends in avoided costs in the future.

- Finally, I again ask that the state immediately reverse course and rescind Flint's obligation to provide $2 million for the cost of connecting to the Detroit water system and refund any money the city of Flint has had to pay.

Requiring a financially distressed city and its people to pay for the state's failures is an abdication of clear responsibility by the state. The state-appointed emergency manager was in charge of the city of Flint during the time that the decision to leave the Detroit system was made. The state – not Flint – created this water crisis, and the state needs to pay to fix it. The $2 million Flint spent to reconnect to the Detroit water system could be used for many other essential services in Flint, such as hiring policemen and firefighters, improving schools and maintaining parks.

In addition to state investments, I encourage the state to request assistance from federal agencies. They have extensive experience working with health, education and nutrition systems nationwide and could provide critical resources to state officials. Specifically, the Centers for Disease Control and Prevention has offered resources if the state requests it. I will work to support any efforts for federal assistance the state makes.

I look forward to working with the state and federal governments to not only provide clean drinking water to the people of Flint immediately, but also repair the damage done to the city's water system and give local health professionals the resources they need to combat the long term impacts of lead exposure.

Sincerely,

Dan Kildee
MEMBER OF CONGRESS

Cc:
Senate Republican Leader Arlen Meekhof
Senate Democratic Leader Jim Ananich
Speaker of the House Kevin Cotter
House Democratic Leader Tim Greimel

From: Muchmore, Dennis (GOV)
Sent: Tuesday, November 17, 2015 5:24 PM
To: 'Anderson, Madhu (DEQ)'; Ken Sikkema (ksikkema@pscinc.com)
Cc: Agen, Jarrod (GOV); Baird, Richard (GOV); Weber, Travis (GOV); Hollins, Harvey (GOV); Murray, David (GOV); Wurfel, Sara (GOV); Lyon, Nick (DHHS)
Subject: RE: Privileged Attorney-Client Communication - Outline of Flint Drinking Water Issues

Thank you Madhu, the outline is helpful to all of us.

From: Anderson, Madhu (DEQ)
Sent: Tuesday, November 17, 2015 11:20 AM
To: Ken Sikkema (ksikkema@pscinc.com) <ksikkema@pscinc.com>
Cc: Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Weber, Travis (GOV) <WeberT7@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Lyon, Nick (DHHS) <LyonN2@michigan.gov>
Subject: Privileged Attorney-Client Communication - Outline of Flint Drinking Water Issues

Ken – Attached is the outline of the Flint Drinking Water issue (in a question and answer format) we have prepared for you to share with your colleagues on the Governor's Flint Water Task Force. Please let me know if we can provide any other material in preparation for the meeting tomorrow.

Madhu R. Anderson
Deputy Director, Economic and Strategic Initiatives
☎ 517 284 6702 | [redacted]
✉ andersonm30@michigan.gov

From: Adamczyk, Lynne (GOV)
Sent: Wednesday, February 13, 2013 3:50 PM
To: Clement, Elizabeth (GOV)
Subject: Documents for Review
Attachments: PART 1, Flint EFM Report, 2.8.13.pdf; PART 2, Flint EFM Report, 2.8.13.pdf

FYI

Lynne Adamczyk
Executive Assistant
Executive Office of Governor Rick Snyder

adamczykl@michigan.gov
517-373-3400 (o)
517-241-9412 (d)

FYI RB/DM Both C.

Edward J. Kurtz
Emergency Financial Manager

Dayne Walling
Mayor

February 8, 2013

Mr. Andy Dillon, State Treasurer
Michigan Department of Treasury
4th Floor Treasury Building
430 West Allegan Street
Lansing, MI 48922

Dear Mr. Dillon:
Attached please find the six month report for the period August 8, 2012 through February 8, 2013 as required by PA 72 of 1990 Reporting requirements Article 2 Section 141.1221a: This report required under this section shall be submitted every 6 months, beginning 6 months after the starting date of the emergency financial manager.

The emergency financial manager for the City of Flint was appointed on August 8, 2012; therefore this first report is being submitted on February 8, 2013.

This will be posted on the City of Flint website as soon as it is approved.

Respectfully submitted,

Edward Kurtz
Emergency Financial Manager

cc:
Governor Rick Snyder
Randy Richardville, Senate Majority Leader
James Bolger, Speaker of the House of Representatives
Inez Brown, Clerk of the City of Flint
R. Fraser, Dept. of Treasury

Public Act 72 of 1990, Article 2 Section 141.1221a: Six Month Report
And City of Flint Financial and Operating Plan
February 8, 2013

Introduction

This Report of the status of the City of Flint and an update of the Financial and Operating Plan for the City of Flint is submitted to Governor Rick Snyder, The Senate Majority Leader, the Speaker of the House of Representatives and the Clerk of the City of Flint, through the Department of Treasury for the State of Michigan, in accordance with Public Act 72 of 1990, Article 2 Section 141.1221a which requires this report beginning 6 months after the appointment of the Emergency Manager.

Included are the items detailed below from PA 72 of 1990, Article 2 Section 141.1221a:

(a) A description of each expenditure made, approved, or disapproved during the reporting period that has a cumulative value of $10,000.00 or more and the source of the funds.

(b) A list of each contract that the emergency manager awarded or approved with a cumulative value of $10,000.00 or more, the purpose of the contract, and the identity of the contractor.

(c) A description of each loan sought, approved, or disapproved during the reporting period that has a cumulative value of $10,000.00 or more and the proposed use of the funds.

(d) A description of any new position created or any vacancy in a permanent position filled by the appointing authority.

(e) A description of any position that has been eliminated or from which an employee has been laid off.

An update to the Financial and Operating Plan for Fiscal Year 13 has been included in this package as well.

Section Separator (a) A description of each expenditure made, approved, or disapproved during the reporting period (8/8/12 – 2/8/13) that has a cumulative value of $10,000.00 or more and the source of the funds.

INV REF#	VENDOR	INV DATE	DUE DATE	INV AMT	AMT DUE	STATUS	JNLIZED?
00207960	MARATHON FLINT OIL COMPANY	7/9/2012	8/8/2012	5,129.79	0.00	P	Y
00208812	C S MOTT COMMUNITY COLLEGE	7/31/2012	8/9/2012	959,336.70	0.00	P	Y
00208815	CARMAN SCHOOL DISTRICT	7/31/2012	8/9/2012	9,043.56	0.00	P	Y
00208816	DOWNTOWN DEVELOPMENT AUTHORITY	7/31/2012	8/9/2012	30,347.33	0.00	P	Y
00208814	FLINT BOARD OF EDUCATION	7/31/2012	8/9/2012	4,117,907.58	0.00	P	Y
00208811	GENESEE INTERMEDIATE SCHOOL DIST	7/31/2012	8/9/2012	1,133,794.28	0.00	P	Y
00207964	MARATHON FLINT OIL COMPANY	7/10/2012	8/9/2012	6,828.01	0.00	P	Y
00208809	MASS TRANSPORTATION AUTHORITY	7/31/2012	8/9/2012	204,967.77	0.00	P	Y
00208703	POLYDYNE INC	6/20/2012	8/9/2012	5,382.00	0.00	P	Y
00208538	J & M TREE SERVICE	8/1/2012	8/9/2012	5,450.00	0.00	P	Y
00208539	J & M TREE SERVICE	8/1/2012	8/9/2012	11,200.00	0.00	P	Y
00208540	J & M TREE SERVICE	8/1/2012	8/9/2012	9,925.00	0.00	P	Y
00208810	FLINT PUBLIC LIBRARY	7/31/2012	8/9/2012	990,696.74	0.00	P	Y
00208670	AVAYA FINANCIAL SERVICES	7/29/2012	8/9/2012	9,133.83	0.00	P	Y
00208631	EAST JORDAN IRON WORKS INC.	7/21/2012	8/9/2012	6,192.15	0.00	P	Y
00208859	CONSUMERS ENERGY	7/31/2012	8/9/2012	203,530.57	0.00	P	Y
00208860	CONSUMERS ENERGY	7/31/2012	8/9/2012	8,994.57	0.00	P	Y
00208813	GENESEE COUNTY TREASURER-MET	7/31/2012	8/9/2012	1,843,574.54	0.00	P	Y
00208471	GLOBALT INC	7/27/2012	8/9/2012	41,584.96	0.00	P	Y
00208468	WENTWORTH, HAUSER AND VIOLICH	7/10/2012	8/9/2012	24,528.00	0.00	P	Y
00208808	GENESEE COUNTY TREASURER	7/31/2012	8/9/2012	1,828,615.46	0.00	P	Y
00208776	BIG BROTHERS BIG SISTERS OF	6/25/2012	8/9/2012	5,037.17	0.00	P	Y
00208745	ST. LUKE NORTH END WOMEN'S	7/12/2012	8/9/2012	6,875.00	0.00	P	Y
00208469	KEELEY ASSET MANAGEMENT CORP.	7/31/2012	8/9/2012	22,421.62	0.00	P	Y
00208470	LSV ASSET MANAGEMENT	7/13/2012	8/9/2012	25,468.00	0.00	P	Y
00208653	ASTI ENVIRONMENTAL	3/6/2012	8/9/2012	12,577.75	0.00	P	Y
00208654	ASTI ENVIRONMENTAL	4/10/2012	8/9/2012	5,455.99	0.00	P	Y
00208541	DEAN HOLMES EXC - LTD	6/21/2012	8/9/2012	53,780.00	0.00	P	Y
00208801	LAKESHORE ENERGY SERVICES, LLC	8/1/2012	8/9/2012	19,344.78	0.00	P	Y
00208533	VEHICLE CITY HARLEY-DAVIDSON	6/21/2012	8/9/2012	6,000.00	0.00	P	Y
00208757	DELL FINANCIAL SERVICES, LLC	7/18/2012	8/9/2012	12,652.79	0.00	P	Y

00208580	MCLAREN HEALTH PLAN	8/2/2012	8/9/2012	51,252.49	0.00	P	Y
00208535	PHILIP JOHNSON	6/26/2012	8/9/2012	6,220.00	0.00	P	Y
00208537	PHILIP JOHNSON	7/16/2012	8/9/2012	12,837.00	0.00	P	Y
00208473	DIPONIO CONTRACTING INC	7/9/2012	8/9/2012	192,175.63	0.00	P	Y
00208474	DIPONIO CONTRACTING INC	7/9/2012	8/9/2012	242,984.84	0.00	P	Y
00208798	SWEDISH BIOGAS INTERNATIONAL, LLC	7/10/2012	8/9/2012	16,617.51	0.00	P	Y
00208799	U.S. DEPT OF HOUSING&URBAN DEV	8/1/2012	8/9/2012	51,870.95	0.00	P	Y
00208532	CHIPPEWA ASPHALT PAVING CO INC	7/20/2012	8/9/2012	40,399.25	0.00	P	Y
00208534	DU ALL CLEANING INC	7/27/2012	8/9/2012	9,900.00	0.00	P	Y
00208945	CECILLIA HUGHES, BENEFICIARY OF	8/8/2012	8/9/2012	7,500.00	0.00	P	Y
00208878	ICMA RETIREMENT CORP	8/8/2012	8/10/2012	10,403.87	0.00	P	Y
00208882	FLINT FIRE FIGHTERS #352	8/8/2012	8/10/2012	6,989.63	0.00	P	Y
00208885	AFLAC	8/8/2012	8/10/2012	14,275.63	0.00	P	Y
00208888	EQUITABLE FINANCIAL SERVICES	8/8/2012	8/10/2012	15,142.18	0.00	P	Y
00208891	ICMA RETIREMENT TRUST	8/8/2012	8/10/2012	15,034.68	0.00	P	Y
00208895	AFSCME, LOCAL 1600	8/8/2012	8/10/2012	5,464.20	0.00	P	Y
00208930	MI STATE DISBURSEMENT UNIT	8/8/2012	8/10/2012	22,325.11	0.00	P	Y
00208902	CITY OF FLINT	8/8/2012	8/10/2012	9,733.77	0.00	P	Y
00208901	CITIGROUP GLOBAL MKTS INC.	8/8/2012	8/10/2012	5,952.72	0.00	P	Y
00207967	MARATHON FLINT OIL COMPANY	7/17/2012	8/16/2012	6,612.97	0.00	P	Y
00207968	MARATHON FLINT OIL COMPANY	7/17/2012	8/16/2012	5,655.52	0.00	P	Y
00209083	SHELTER OF FLINT	4/3/2012	8/16/2012	7,082.14	0.00	P	Y
00209109	XEROX CORP	7/21/2012	8/16/2012	10,721.94	0.00	P	Y
00209162	COMPLETE TOWING SERVICE	6/30/2012	8/16/2012	15,430.00	0.00	P	Y
00209163	COMPLETE TOWING SERVICE	6/12/2012	8/16/2012	35,536.00	0.00	P	Y
00209235	J & M TREE SERVICE	7/10/2012	8/16/2012	6,000.00	0.00	P	Y
00209236	J & M TREE SERVICE	7/11/2012	8/16/2012	6,600.00	0.00	P	Y
00209134	CONSUMERS ENERGY	7/30/2012	8/16/2012	6,852.55	0.00	P	Y
00209248	FLINT AREA ENTERPRISE COMMUNITY	5/17/2012	8/16/2012	45,000.00	0.00	P	Y
00208969	PRIEST MASONARY CONSTRUCTION	8/3/2012	8/16/2012	8,900.00	0.00	P	Y
00209107	GRAY & COMPANY	7/30/2012	8/16/2012	9,583.33	0.00	P	Y
00209076	FLINT HOUSING COMMISSION	9/30/2011	8/16/2012	9,800.95	0.00	P	Y
00208988	STANDARD INSURANCE CO.	8/9/2012	8/16/2012	5,487.04	0.00	P	Y
00208998	Consumers Energy	8/9/2012	8/16/2012	16,398.59	0.00	P	Y
00209018	Consumers Energy	8/9/2012	8/16/2012	6,881.13	0.00	P	Y
00209052	Consumers Energy	8/9/2012	8/16/2012	34,979.75	0.00	P	Y
00209054	Consumers Energy	8/9/2012	8/16/2012	104,143.45	0.00	P	Y

00209069	Consumers Energy	8/9/2012	8/16/2012	5,158.77	0.00	P	Y
00209102	RESOURCE GENESEE	5/14/2012	8/16/2012	7,161.47	0.00	P	Y
00209103	RESOURCE GENESEE	6/14/2012	8/16/2012	6,346.73	0.00	P	Y
00209096	PHILIP JOHNSON	6/26/2012	8/16/2012	12,582.00	0.00	P	Y
00209247	SARGENT'S TITLE COMPANY LLC	8/9/2012	8/16/2012	136,504.07	0.00	P	Y
00209244	AT & T SBS	8/4/2012	8/16/2012	20,180.98	0.00	P	Y
00209121	Genesee County Treasurer	8/7/2012	8/16/2012	38,690.43	0.00	P	Y
00209189	Leonard Charles Roark	8/13/2012	8/16/2012	7,888.75	0.00	P	Y
00209245	BELEN DZIWURA, BENEF OF	8/15/2012	8/16/2012	5,000.00	0.00	P	Y
00209195	SHEILA GILBERT	8/7/2012	8/16/2012	30,479.91	0.00	P	Y
00209193	STATE OF MICHIGAN	8/13/2012	8/16/2012	78,449.31	0.00	P	Y
00209194	STATE OF MICHIGAN	8/13/2012	8/16/2012	97,316.62	0.00	P	Y
00209551	C S MOTT COMMUNITY COLLEGE	8/15/2012	8/23/2012	334,172.10	0.00	P	Y
00209549	CARMAN SCHOOL DISTRICT	8/15/2012	8/23/2012	752,151.20	0.00	P	Y
00209555	DOWNTOWN DEVELOPMENT AUTHORITY	8/15/2012	8/23/2012	7,014.88	0.00	P	Y
00209472	Treasurer, City of Flint	8/21/2012	8/23/2012	17,119.45	0.00	P	Y
00209501	Treasurer, City of Flint	8/21/2012	8/23/2012	7,870.09	0.00	P	Y
00209548	FLINT BOARD OF EDUCATION	8/15/2012	8/23/2012	901,440.56	0.00	P	Y
00209550	GENESEE INTERMEDIATE SCHOOL DIST	8/15/2012	8/23/2012	402,606.92	0.00	P	Y
00208368	MARATHON FLINT OIL COMPANY	7/24/2012	8/23/2012	8,609.96	0.00	P	Y
00209554	MASS TRANSPORTATION AUTHORITY	8/15/2012	8/23/2012	68,357.60	0.00	P	Y
00209382	MCNAUGHTON MCKAY ELECTRIC CO	8/14/2012	8/23/2012	174,644.08	0.00	P	Y
00209557	NEXTEL COMMUNICATIONS	8/10/2012	8/23/2012	6,793.90	0.00	P	Y
00209552	FLINT PUBLIC LIBRARY	8/15/2012	8/23/2012	330,399.54	0.00	P	Y
00209327	BS & A SOFTWARE	8/1/2012	8/23/2012	5,190.00	0.00	P	Y
00209328	BS & A SOFTWARE	8/1/2012	8/23/2012	5,990.00	0.00	P	Y
00209330	BS & A SOFTWARE	8/1/2012	8/23/2012	6,110.00	0.00	P	Y
00209337	BS & A SOFTWARE	8/1/2012	8/23/2012	5,740.00	0.00	P	Y
00209547	GENESEE COUNTY TREASURER-MET	8/15/2012	8/23/2012	540,430.70	0.00	P	Y
00209553	GENESEE COUNTY TREASURER	8/15/2012	8/23/2012	627,432.03	0.00	P	Y
00209254	MICHIGAN PIPE & VALVE - FLINT	6/15/2012	8/23/2012	11,154.30	0.00	P	Y
00209545	UNEMPLOYMENT INSURANCE AGENCY	7/31/2012	8/23/2012	484,432.39	0.00	P	Y
00209546	UNEMPLOYMENT INSURANCE AGENCY	7/31/2012	8/23/2012	12,677.96	0.00	P	Y
00209641	PNC CAPITAL ADVISORS, LLC	7/17/2012	8/23/2012	21,712.38	0.00	P	Y
00209640	RESOURCE RECYCLING SYSTEMS INC	2/29/2012	8/23/2012	5,435.43	0.00	P	Y
00209543	LEVEL ONE LLC	6/15/2012	8/23/2012	18,000.00	0.00	P	Y
00209301	PHILIP JOHNSON	7/11/2012	8/23/2012	11,026.00	0.00	P	Y

00209534	U.S. DEPARTMENT OF ENERGY	8/14/2012	8/23/2012	110,292.06	0.00	P	Y
00209532	JE'TAIME BANKS	8/20/2012	8/23/2012	19,113.37	0.00	P	Y
00207850	ELECTRONIC RESTORATION SERVICES INC	8/24/2012	8/23/2012	8,900.85	0.00	P	Y
00209544	KATHY SEVERN & HER ATTORNEY	8/13/2012	8/23/2012	12,000.00	0.00	P	Y
00209633	LEONARDO WATKINS AND ATTORNEY	8/20/2012	8/23/2012	17,500.00	0.00	P	Y
00208370	MARATHON FLINT OIL COMPANY	7/25/2012	8/24/2012	5,589.54	0.00	P	Y
00209561	ICMA RETIREMENT CORP	8/22/2012	8/24/2012	16,033.67	0.00	P	Y
00209567	AFLAC	8/22/2012	8/24/2012	14,382.98	0.00	P	Y
00209569	EQUITABLE FINANCIAL SERVICES	8/22/2012	8/24/2012	15,682.53	0.00	P	Y
00209572	ICMA RETIREMENT TRUST	8/22/2012	8/24/2012	15,334.64	0.00	P	Y
00209576	AFSCME, LOCAL 1600	8/22/2012	8/24/2012	5,383.84	0.00	P	Y
00209612	MI STATE DISBURSEMENT UNIT	8/22/2012	8/24/2012	22,969.96	0.00	P	Y
00209586	CITY OF FLINT	8/22/2012	8/24/2012	9,776.37	0.00	P	Y
00209585	CITIGROUP GLOBAL MKTS INC.	8/22/2012	8/24/2012	5,917.38	0.00	P	Y
00208606	MARATHON FLINT OIL COMPANY	7/30/2012	8/29/2012	7,458.20	0.00	P	Y
00209780	ROWE ENGINEERING INC	6/30/2012	8/30/2012	44,320.00	0.00	P	Y
00209835	XEROX CORP	8/19/2012	8/30/2012	6,772.32	0.00	P	Y
00209833	MAIL ROOM SERVICE CENTER	7/31/2012	8/30/2012	9,324.42	0.00	P	Y
00209750	GENESEE COUNTY TREASURER	8/24/2012	8/30/2012	61,266.00	0.00	P	Y
00209751	GENESEE COUNTY TREASURER	8/24/2012	8/30/2012	61,266.00	0.00	P	Y
00209752	GENESEE COUNTY TREASURER	8/24/2012	8/30/2012	61,266.00	0.00	P	Y
00209884	NEW WORLD SYSTEMS CORP	6/15/2012	8/30/2012	161,620.00	0.00	P	Y
00209684	ICON ADVISERS, INC	8/23/2012	8/30/2012	57,827.32	0.00	P	Y
00209753	NORTHERN TRUST COMPANY	6/30/2012	8/30/2012	65,011.75	0.00	P	Y
00209782	SWEERS EAVESTROUGH & ROOFING	7/25/2012	8/30/2012	19,267.00	0.00	P	Y
00209904	Consumers Energy	8/29/2012	8/30/2012	6,570.36	0.00	P	Y
00209907	Consumers Energy	8/29/2012	8/30/2012	9,118.88	0.00	P	Y
00209942	Consumers Energy	8/29/2012	8/30/2012	107,744.58	0.00	P	Y
00209943	Consumers Energy	8/29/2012	8/30/2012	32,554.79	0.00	P	Y
00209868	T3 MOTION INC	8/3/2012	8/30/2012	9,903.20	0.00	P	Y
00209781	OPERATION UNIFICATION INC	8/7/2012	8/30/2012	41,806.35	0.00	P	Y
00209709	DIPONIO CONTRACTING INC	6/30/2012	8/30/2012	30,131.50	0.00	P	Y
00209849	AT & T	8/4/2012	8/30/2012	34,354.93	0.00	P	Y
00209972	MICHAEL WILLIAMS	8/28/2012	8/30/2012	12,688.04	0.00	P	Y
00209974	JERRY M BROWN SR	8/28/2012	8/30/2012	28,075.74	0.00	P	Y
00209955	HURLEY MEDICAL CENTER	8/29/2012	9/1/2012	102,396.82	0.00	P	Y
00209956	UNITED RETIRED GOVERNMENT EMPLOYEES	8/29/2012	9/1/2012	7,270.00	0.00	P	Y

00209957	FLINT POLICE BENEFIT ASSOC	8/29/2012	9/1/2012	5,293.25	0.00	P	Y
00209959	MICHIGAN STATE DISBURSEMENT UNIT	8/29/2012	9/1/2012	14,720.68	0.00	P	Y
00209073	MARATHON FLINT OIL COMPANY	8/6/2012	9/5/2012	7,358.52	0.00	P	Y
00209074	MARATHON FLINT OIL COMPANY	8/6/2012	9/5/2012	5,383.95	0.00	P	Y
00210158	C S MOTT COMMUNITY COLLEGE	8/31/2012	9/6/2012	74,916.46	0.00	P	Y
00210161	CARMAN SCHOOL DISTRICT	8/31/2012	9/6/2012	66,097.66	0.00	P	Y
00209985	CITIZENS DISPOSAL INC	7/31/2012	9/6/2012	19,635.07	0.00	P	Y
00209986	CITIZENS DISPOSAL INC	7/15/2012	9/6/2012	16,939.27	0.00	P	Y
00209987	CITIZENS DISPOSAL INC	8/15/2012	9/6/2012	17,660.97	0.00	P	Y
00210013	CITY OF DETROIT	8/24/2012	9/6/2012	2,251,334.77	0.00	P	Y
00210154	DOWNTOWN DEVELOPMENT AUTHORITY	8/31/2012	9/6/2012	5,921.56	0.00	P	Y
00210160	FLINT BOARD OF EDUCATION	8/31/2012	9/6/2012	301,588.51	0.00	P	Y
00210162	GENESEE INTERMEDIATE SCHOOL DIST	8/31/2012	9/6/2012	90,179.81	0.00	P	Y
00210155	MASS TRANSPORTATION AUTHORITY	8/31/2012	9/6/2012	15,312.13	0.00	P	Y
00210087	SHELTER OF FLINT	8/8/2012	9/6/2012	5,526.90	0.00	P	Y
00210157	FLINT PUBLIC LIBRARY	8/31/2012	9/6/2012	74,011.17	0.00	P	Y
00210159	GENESEE COUNTY TREASURER-MET	8/31/2012	9/6/2012	151,155.78	0.00	P	Y
00210156	GENESEE COUNTY TREASURER	8/31/2012	9/6/2012	140,546.13	0.00	P	Y
00210088	OPERATION UNIFICATION INC	8/7/2012	9/6/2012	15,701.09	0.00	P	Y
00210048	GRANICUS INC	8/23/2012	9/6/2012	14,340.00	0.00	P	Y
00210090	GLOBAL ENVIRONMENTAL ENGINEERING	7/3/2012	9/6/2012	5,595.00	0.00	P	Y
00210040	FOWLER CONSTRUCTION INC	6/13/2012	9/6/2012	7,500.00	0.00	P	Y
00210126	ROLIN JOHNSON, THE ESTATE OF	9/5/2012	9/6/2012	10,000.00	0.00	P	Y
00210149	DEAN T YEOTIS, GLEN N LENHOFF &	9/4/2012	9/6/2012	500,000.00	0.00	P	Y
00210163	1600 Defined Contrib Plan	9/5/2012	9/7/2012	9,484.94	0.00	P	Y
00210167	FLINT FIRE FIGHTERS #352	9/5/2012	9/7/2012	6,925.92	0.00	P	Y
00210170	AFLAC	9/5/2012	9/7/2012	14,241.05	0.00	P	Y
00210173	EQUITABLE FINANCIAL SERVICES	9/5/2012	9/7/2012	15,255.64	0.00	P	Y
00210176	ICMA RETIREMENT TRUST	9/5/2012	9/7/2012	15,149.44	0.00	P	Y
00210180	AFSCME, LOCAL 1600	9/5/2012	9/7/2012	5,441.01	0.00	P	Y
00210216	MI STATE DISBURSEMENT UNIT	9/5/2012	9/7/2012	23,940.97	0.00	P	Y
00210187	CITY OF FLINT	9/5/2012	9/7/2012	9,985.55	0.00	P	Y
00210186	CITIGROUP GLOBAL MKTS INC.	9/5/2012	9/7/2012	6,098.74	0.00	P	Y
00210328	CITIZENS DISPOSAL INC	8/31/2012	9/13/2012	20,063.92	0.00	P	Y
00209412	MARATHON FLINT OIL COMPANY	8/14/2012	9/13/2012	7,599.48	0.00	P	Y
00209413	MARATHON FLINT OIL COMPANY	8/14/2012	9/13/2012	5,602.66	0.00	P	Y
00209414	MARATHON FLINT OIL COMPANY	8/14/2012	9/13/2012	7,636.38	0.00	P	Y

00210443	ROWE ENGINEERING INC	2/28/2012	9/13/2012	15,974.75	0.00	P	Y
00210445	ROWE ENGINEERING INC	4/3/2012	9/13/2012	14,551.32	0.00	P	Y
00210446	ROWE ENGINEERING INC	4/30/2012	9/13/2012	10,283.10	0.00	P	Y
00210447	ROWE ENGINEERING INC	6/30/2012	9/13/2012	249,360.00	0.00	P	Y
00210238	AVAYA FINANCIAL SERVICES	8/29/2012	9/13/2012	9,133.83	0.00	P	Y
00210412	MAIL ROOM SERVICE CENTER	8/31/2012	9/13/2012	6,425.91	0.00	P	Y
00210410	CONSUMERS ENERGY	8/31/2012	9/13/2012	11,183.63	0.00	P	Y
00210411	CONSUMERS ENERGY	8/31/2012	9/13/2012	203,308.87	0.00	P	Y
00210440	C.M.P. DISTRIBUTORS INC.	9/4/2012	9/13/2012	12,778.40	0.00	P	Y
00210430	GRAY & COMPANY	8/31/2012	9/13/2012	9,583.33	0.00	P	Y
00210419	BURNASH WRECKING, INC	9/10/2012	9/13/2012	8,980.20	0.00	P	Y
00210428	BURNASH WRECKING, INC	9/10/2012	9/13/2012	15,439.60	0.00	P	Y
00210239	DELL FINANCIAL SERVICES, LLC	8/18/2012	9/13/2012	12,652.79	0.00	P	Y
00210349	MCLAREN HEALTH PLAN	9/10/2012	9/13/2012	44,438.85	0.00	P	Y
00210365	SIWEK CONSTRUCTION COMPANY	8/15/2012	9/13/2012	43,173.44	0.00	P	Y
00210373	AT & T	9/1/2012	9/13/2012	15,353.19	0.00	P	Y
00210417	AT & T	9/4/2012	9/13/2012	33,664.59	0.00	P	Y
00210448	DAVIS FAMILY TRUST	9/4/2012	9/13/2012	6,250.00	0.00	P	Y
00210486	ANGELA MITCHELL	9/5/2012	9/13/2012	22,575.51	0.00	P	Y
00210624	STATE OF MICHIGAN	9/11/2012	9/17/2012	91,634.12	0.00	P	Y
00210625	STATE OF MICHIGAN	9/11/2012	9/17/2012	78,636.90	0.00	P	Y
00209736	MARATHON FLINT OIL COMPANY	8/20/2012	9/19/2012	7,752.68	0.00	P	Y
00210665	ACE ASPHALT AND PAVING COMPANY	7/11/2012	9/20/2012	10,328.84	0.00	P	Y
00210666	ACE ASPHALT AND PAVING COMPANY	7/11/2012	9/20/2012	44,240.02	0.00	P	Y
00210678	ACE ASPHALT AND PAVING COMPANY	8/25/2012	9/20/2012	23,982.56	0.00	P	Y
00210679	ACE ASPHALT AND PAVING COMPANY	8/29/2012	9/20/2012	16,607.84	0.00	P	Y
00210682	ACE ASPHALT AND PAVING COMPANY	7/11/2012	9/20/2012	9,292.50	0.00	P	Y
00209737	MARATHON FLINT OIL COMPANY	8/21/2012	9/20/2012	7,148.95	0.00	P	Y
00210587	ROWE ENGINEERING INC	6/29/2011	9/20/2012	23,117.75	0.00	P	Y
00210780	ROWE ENGINEERING INC	2/28/2012	9/20/2012	7,223.25	0.00	P	Y
00210784	ROWE ENGINEERING INC	2/1/2012	9/20/2012	63,857.75	0.00	P	Y
00210785	ROWE ENGINEERING INC	2/28/2012	9/20/2012	28,695.75	0.00	P	Y
00210787	ROWE ENGINEERING INC	3/20/2012	9/20/2012	8,367.75	0.00	P	Y
00210788	ROWE ENGINEERING INC	4/3/2012	9/20/2012	8,648.75	0.00	P	Y
00210789	ROWE ENGINEERING INC	4/3/2012	9/20/2012	6,663.69	0.00	P	Y
00210790	ROWE ENGINEERING INC	4/3/2012	9/20/2012	8,146.89	0.00	P	Y
00210792	ROWE ENGINEERING INC	4/30/2012	9/20/2012	5,941.25	0.00	P	Y

00210777	PLANTE & MORAN, LLP	8/13/2012	9/20/2012	34,000.00	0.00	P	Y
00210778	PLANTE & MORAN, LLP	9/11/2012	9/20/2012	15,000.00	0.00	P	Y
00210663	KAY KELLY	6/17/2012	9/20/2012	10,000.00	0.00	P	Y
00210750	ICON ADVISERS, INC	9/11/2012	9/20/2012	44,714.92	0.00	P	Y
00210645	GENESEE COUNTY DRAIN COMMISSIONER	8/31/2012	9/20/2012	9,291.25	0.00	P	Y
00210582	GCR TIRE CENTERS	8/15/2012	9/20/2012	5,975.00	0.00	P	Y
00210751	DODGE & COX	9/10/2012	9/20/2012	34,278.32	0.00	P	Y
00210752	KEELEY ASSET MANAGEMENT CORP.	9/6/2012	9/20/2012	17,911.61	0.00	P	Y
00210658	OPERATION UNIFICATION INC	9/5/2012	9/20/2012	5,585.17	0.00	P	Y
00210615	BEDROCK BUILDING INC	6/29/2012	9/20/2012	7,950.00	0.00	P	Y
00210905	SIWEK CONSTRUCTION COMPANY	8/15/2012	9/20/2012	25,332.66	0.00	P	Y
00210813	HENRY R TANNENBAUM	9/10/2012	9/20/2012	7,873.00	0.00	P	Y
00210793	ALGIE JENKINS	9/18/2012	9/20/2012	15,129.87	0.00	P	Y
00210795	STATE OF MICHIGAN	8/29/2012	9/20/2012	12,767.39	0.00	P	Y
00210833	ICMA RETIREMENT CORP	9/18/2012	9/21/2012	14,421.71	0.00	P	Y
00210839	AFLAC	9/18/2012	9/21/2012	14,393.23	0.00	P	Y
00210841	EQUITABLE FINANCIAL SERVICES	9/18/2012	9/21/2012	14,939.80	0.00	P	Y
00210842	ICMA RETIREMENT TRUST	9/18/2012	9/21/2012	31,294.95	0.00	P	Y
00210844	ICMA RETIREMENT TRUST	9/18/2012	9/21/2012	15,037.51	0.00	P	Y
00210848	AFSCME, LOCAL 1600	9/18/2012	9/21/2012	5,331.23	0.00	P	Y
00210886	MI STATE DISBURSEMENT UNIT	9/18/2012	9/21/2012	23,865.41	0.00	P	Y
00210858	CITY OF FLINT	9/18/2012	9/21/2012	10,473.12	0.00	P	Y
00210857	CITIGROUP GLOBAL MKTS INC.	9/18/2012	9/21/2012	6,093.76	0.00	P	Y
00211007	ACE ASPHALT AND PAVING COMPANY	9/12/2012	9/27/2012	20,714.72	0.00	P	Y
00211283	C S MOTT COMMUNITY COLLEGE	9/15/2012	9/27/2012	26,417.23	0.00	P	Y
00211131	CITIZENS DISPOSAL INC	9/15/2012	9/27/2012	17,231.66	0.00	P	Y
00211287	DOWNTOWN DEVELOPMENT AUTHORITY	9/15/2012	9/27/2012	5,281.65	0.00	P	Y
00211184	Treasurer, City of Flint	9/25/2012	9/27/2012	17,582.65	0.00	P	Y
00211280	FLINT BOARD OF EDUCATION	9/15/2012	9/27/2012	147,567.65	0.00	P	Y
00211282	GENESEE INTERMEDIATE SCHOOL DIST	9/15/2012	9/27/2012	32,554.06	0.00	P	Y
00210018	MARATHON FLINT OIL COMPANY	8/28/2012	9/27/2012	8,881.33	0.00	P	Y
00210019	MARATHON FLINT OIL COMPANY	8/28/2012	9/27/2012	5,598.65	0.00	P	Y
00210020	MARATHON FLINT OIL COMPANY	8/28/2012	9/27/2012	7,869.11	0.00	P	Y
00211286	MASS TRANSPORTATION AUTHORITY	9/15/2012	9/27/2012	5,527.73	0.00	P	Y
00211181	XEROX CORP	9/21/2012	9/27/2012	6,772.32	0.00	P	Y
00211284	FLINT PUBLIC LIBRARY	9/15/2012	9/27/2012	26,718.49	0.00	P	Y
00211022	CONSUMERS ENERGY	8/30/2012	9/27/2012	6,423.16	0.00	P	Y

00211279	GENESEE COUNTY TREASURER-MET	9/15/2012	9/27/2012	53,970.47	0.00	P	Y
00211285	GENESEE COUNTY TREASURER	9/15/2012	9/27/2012	50,737.59	0.00	P	Y
00211094	STANDARD INSURANCE CO.	9/21/2012	9/27/2012	6,208.80	0.00	P	Y
00211240	BURNASH WRECKING, INC	9/10/2012	9/27/2012	8,314.40	0.00	P	Y
00211310	Consumers Energy	9/25/2012	9/27/2012	19,081.36	0.00	P	Y
00211346	Consumers Energy	9/25/2012	9/27/2012	11,632.65	0.00	P	Y
00211360	Consumers Energy	9/25/2012	9/27/2012	112,184.36	0.00	P	Y
00211361	Consumers Energy	9/25/2012	9/27/2012	31,951.02	0.00	P	Y
00211291	WILLIAMS FIRM, PC	6/15/2012	9/27/2012	6,633.50	0.00	P	Y
00211010	HEALTHPLUS OF MICHIGAN	8/13/2012	9/27/2012	315,296.64	0.00	P	Y
00211011	HEALTHPLUS OF MICHIGAN	9/11/2012	9/27/2012	369,190.14	0.00	P	Y
00211099	OPERATION UNIFICATION INC	9/5/2012	9/27/2012	7,818.80	0.00	P	Y
00211100	RESOURCE GENESEE	8/2/2012	9/27/2012	7,307.32	0.00	P	Y
00210938	MILLER, CANFIELD, PADDOCK AND STONE	9/5/2012	9/27/2012	5,172.99	0.00	P	Y
00211288	LEVEL ONE LLC	9/20/2012	9/27/2012	45,000.00	0.00	P	Y
00210950	MCLAREN HEALTH PLAN	9/19/2012	9/27/2012	49,972.59	0.00	P	Y
00211120	EPIC TECHNOLOGY SOLUTIONSLLC	9/29/2012	9/27/2012	13,750.00	0.00	P	Y
00211179	AT & T SBS	9/29/2012	9/27/2012	20,086.13	0.00	P	Y
00211274	STATE OF MICHIGAN	8/1/2012	9/27/2012	11,282.15	0.00	P	Y
00207851	ELECTRONIC RESTORATION SERVICES INC	9/21/2012	9/27/2012	8,879.61	0.00	P	Y
00211427	HURLEY MEDICAL CENTER	9/26/2012	10/1/2012	100,722.61	0.00	P	Y
00211428	UNITED RETIRED GOVERNMENT EMPLOYEES	9/26/2012	10/1/2012	7,260.00	0.00	P	Y
00211429	FLINT POLICE BENEFIT ASSOC	9/26/2012	10/1/2012	5,328.16	0.00	P	Y
00211432	MICHIGAN STATE DISBURSEMENT UNIT	9/26/2012	10/1/2012	14,720.68	0.00	P	Y
00211657	C S MOTT COMMUNITY COLLEGE	9/30/2012	10/4/2012	16,226.64	0.00	P	Y
00211620	CITIZENS DISPOSAL INC	9/30/2012	10/4/2012	15,030.11	0.00	P	Y
00211661	DOWNTOWN DEVELOPMENT AUTHORITY	9/30/2012	10/4/2012	177,269.86	0.00	P	Y
00211654	FLINT BOARD OF EDUCATION	9/30/2012	10/4/2012	71,436.99	0.00	P	Y
00211545	FLINT NEIGHBORHOOD IMPRVT&PRES PROJ	8/30/2011	10/4/2012	12,000.00	0.00	P	Y
00211546	FLINT NEIGHBORHOOD IMPRVT&PRES PROJ	7/3/2012	10/4/2012	16,989.92	0.00	P	Y
00211656	GENESEE INTERMEDIATE SCHOOL DIST	9/30/2012	10/4/2012	20,053.03	0.00	P	Y
00210294	MARATHON FLINT OIL COMPANY	9/4/2012	10/4/2012	5,542.50	0.00	P	Y
00210295	MARATHON FLINT OIL COMPANY	9/4/2012	10/4/2012	5,749.78	0.00	P	Y
00211727	MUTUAL EYE CLAIM AUDIT INC	9/4/2012	10/4/2012	6,314.49	0.00	P	Y
00211658	FLINT PUBLIC LIBRARY	9/30/2012	10/4/2012	16,460.04	0.00	P	Y
00211578	AVAYA FINANCIAL SERVICES	9/28/2012	10/4/2012	9,133.83	0.00	P	Y
00211587	GENESEE COUNTY TREASURER	10/1/2012	10/4/2012	61,266.00	0.00	P	Y

00211662	FLINT TOWNSHIP	10/31/2012	10/4/2012	221,522.56	0.00	P	Y
00211653	GENESEE COUNTY TREASURER-MET	9/30/2012	10/4/2012	32,628.87	0.00	P	Y
00211541	GENESEE CTY COMMUNITY ACTION	2/14/2011	10/4/2012	9,977.10	0.00	P	Y
00211659	GENESEE COUNTY TREASURER	9/30/2012	10/4/2012	31,256.86	0.00	P	Y
00211610	GRAY & COMPANY	9/28/2012	10/4/2012	9,583.33	0.00	P	Y
00211574	HD SUPPLY WATERWORKS, LTD.	9/13/2012	10/4/2012	8,730.06	0.00	P	Y
00211544	METRO COMMUNITY DEVELOPMENT, INC	7/13/2012	10/4/2012	13,259.15	0.00	P	Y
00211614	HOUSEAL LAVIGNE ASSOCIATES LLC	9/1/2012	10/4/2012	5,145.00	0.00	P	Y
00211615	HOUSEAL LAVIGNE ASSOCIATES LLC	9/14/2012	10/4/2012	17,273.75	0.00	P	Y
00211641	MIDWEST CONSTRUCTION & RESTORATION	9/28/2012	10/4/2012	7,873.00	0.00	P	Y
00211642	CASSANDRA COULTER	9/17/2012	10/4/2012	12,455.04	0.00	P	Y
00211629	LARRY PIPER	10/1/2012	10/4/2012	8,436.10	0.00	P	Y
00211539	STATE OF MICHIGAN	3/1/2012	10/4/2012	16,402.34	0.00	P	Y
00211664	ICMA RETIREMENT CORP	10/2/2012	10/5/2012	15,509.58	0.00	P	Y
00211668	FLINT FIRE FIGHTERS #352	10/2/2012	10/5/2012	6,954.71	0.00	P	Y
00211671	AFLAC	10/2/2012	10/5/2012	14,329.18	0.00	P	Y
00211674	EQUITABLE FINANCIAL SERVICES	10/2/2012	10/5/2012	14,147.13	0.00	P	Y
00211676	ICMA RETIREMENT TRUST	10/2/2012	10/5/2012	15,193.07	0.00	P	Y
00211680	AFSCME, LOCAL 1600	10/2/2012	10/5/2012	5,323.57	0.00	P	Y
00211713	MI STATE DISBURSEMENT UNIT	10/2/2012	10/5/2012	24,081.54	0.00	P	Y
00211686	CITY OF FLINT	10/2/2012	10/5/2012	9,518.63	0.00	P	Y
00211685	CITIGROUP GLOBAL MKTS INC.	10/2/2012	10/5/2012	5,830.73	0.00	P	Y
00210619	MARATHON FLINT OIL COMPANY	9/11/2012	10/11/2012	7,766.36	0.00	P	Y
00210621	MARATHON FLINT OIL COMPANY	9/11/2012	10/11/2012	5,661.11	0.00	P	Y
00212080	U.S. POSTAL SERVICE	10/10/2012	10/11/2012	5,000.00	0.00	P	Y
00212081	U.S. POSTAL SERVICE	10/10/2012	10/11/2012	5,000.00	0.00	P	Y
00212033	COMPLETE TOWING SERVICE	7/31/2012	10/11/2012	19,660.00	0.00	P	Y
00212034	COMPLETE TOWING SERVICE	8/31/2012	10/11/2012	22,700.00	0.00	P	Y
00212035	COMPLETE TOWING SERVICE	8/29/2012	10/11/2012	40,352.00	0.00	P	Y
00212036	COMPLETE TOWING SERVICE	9/30/2012	10/11/2012	12,302.50	0.00	P	Y
00211863	METROGRAPHICS INC	10/3/2012	10/11/2012	6,065.27	0.00	P	Y
00211972	CONSUMERS ENERGY	9/27/2012	10/11/2012	6,134.70	0.00	P	Y
00211973	CONSUMERS ENERGY	9/30/2012	10/11/2012	11,609.68	0.00	P	Y
00211975	CONSUMERS ENERGY	9/30/2012	10/11/2012	206,366.54	0.00	P	Y
00212052	LAKE AGENCY	8/22/2012	10/11/2012	33,620.70	0.00	P	Y
00212077	HARVEY KRUSE PC	10/3/2012	10/11/2012	23,501.21	0.00	P	Y
00211894	METRON-FARNIER, LLC	7/1/2012	10/11/2012	26,250.00	0.00	P	Y

00212029	STANDARD INSURANCE CO.	10/9/2012	10/11/2012	6,109.74	0.00	P	Y
00211893	RBM CONSULTING, LLC	5/25/2012	10/11/2012	13,120.00	0.00	P	Y
00212042	RESOURCE GENESEE	8/12/2012	10/11/2012	49,770.08	0.00	P	Y
00212060	LAKESHORE ENERGY SERVICES, LLC	10/2/2012	10/11/2012	16,533.00	0.00	P	Y
00212076	MILLER, CANFIELD, PADDOCK AND STONE	10/3/2012	10/11/2012	49,955.67	0.00	P	Y
00212037	DIPONIO CONTRACTING INC	10/9/2012	10/11/2012	42,868.50	0.00	P	Y
00212073	MEADOWBROOK INC	10/5/2012	10/11/2012	5,475.00	0.00	P	Y
00212040	FOWLER CONSTRUCTION INC	8/8/2012	10/11/2012	9,600.00	0.00	P	Y
00212041	FOWLER CONSTRUCTION INC	8/14/2012	10/11/2012	6,000.00	0.00	P	Y
00211759	DU ALL CLEANING INC	9/1/2012	10/11/2012	7,997.98	0.00	P	Y
00211760	DU ALL CLEANING INC	10/1/2012	10/11/2012	7,997.98	0.00	P	Y
00212045	BARTMAN EXCAVATING	10/9/2012	10/11/2012	5,500.00	0.00	P	Y
00212050	DONNYELE MANCE	10/3/2012	10/11/2012	7,873.00	0.00	P	Y
00212269	ACE ASPHALT AND PAVING COMPANY	9/28/2012	10/18/2012	16,544.82	0.00	P	Y
00212270	ACE ASPHALT AND PAVING COMPANY	10/4/2012	10/18/2012	34,773.70	0.00	P	Y
00212271	ACE ASPHALT AND PAVING COMPANY	9/25/2012	10/18/2012	18,602.40	0.00	P	Y
00212273	ACE ASPHALT AND PAVING COMPANY	9/13/2012	10/18/2012	31,222.50	0.00	P	Y
00212276	ACE ASPHALT AND PAVING COMPANY	9/13/2012	10/18/2012	5,959.00	0.00	P	Y
00212277	ACE ASPHALT AND PAVING COMPANY	9/19/2012	10/18/2012	23,694.60	0.00	P	Y
00212278	ACE ASPHALT AND PAVING COMPANY	9/20/2012	10/18/2012	5,634.50	0.00	P	Y
00211530	CITY OF DETROIT	9/25/2012	10/18/2012	2,062,393.81	0.00	P	Y
00212262	DISABILITY NETWORK	6/7/2012	10/18/2012	9,093.48	0.00	P	Y
00212463	FISHBECK THOMPSON CARR & HUBER INC	10/8/2012	10/18/2012	5,451.50	0.00	P	Y
00212149	MCNAUGHTON MCKAY ELECTRIC CO	9/27/2012	10/18/2012	7,445.99	0.00	P	Y
00212148	POLYDYNE INC	10/10/2012	10/18/2012	6,266.40	0.00	P	Y
00212268	KAY KELLY	10/11/2012	10/18/2012	10,000.00	0.00	P	Y
00212180	CDW GOVERNMENT INC	9/17/2012	10/18/2012	5,282.00	0.00	P	Y
00212263	GENESEE CTY COMMUNITY ACTION	7/31/2012	10/18/2012	8,951.87	0.00	P	Y
00212264	GENESEE CTY COMMUNITY ACTION	8/31/2012	10/18/2012	7,980.54	0.00	P	Y
00212319	Consumers Energy	10/15/2012	10/18/2012	19,242.20	0.00	P	Y
00212380	SECURITY COUNTERMEASURES &	7/16/2012	10/18/2012	6,700.00	0.00	P	Y
00212381	SECURITY COUNTERMEASURES &	7/31/2012	10/18/2012	6,700.00	0.00	P	Y
00212382	SECURITY COUNTERMEASURES &	8/1/2012	10/18/2012	6,700.00	0.00	P	Y
00212140	DELL FINANCIAL SERVICES, LLC	9/19/2012	10/18/2012	12,652.79	0.00	P	Y
00212415	COMMUNITY IMPROVEMENT GROUP, LLC	6/30/2011	10/18/2012	6,015.00	0.00	P	Y
00212416	COMMUNITY IMPROVEMENT GROUP, LLC	7/1/2012	10/18/2012	7,671.25	0.00	P	Y
00212118	BOYD'S LAWN & LANDSCAPING	9/21/2012	10/18/2012	5,015.00	0.00	P	Y

00212288	BLUE CROSS BLUE SHIELD OF MICHIGAN	9/13/2012	10/18/2012	7,144.83	0.00	P	Y
00212289	BLUE CROSS BLUE SHIELD OF MICHIGAN	9/13/2012	10/18/2012	20,135.43	0.00	P	Y
00212290	BLUE CROSS BLUE SHIELD OF MICHIGAN	9/13/2012	10/18/2012	8,299.55	0.00	P	Y
00212291	BLUE CROSS BLUE SHIELD OF MICHIGAN	9/13/2012	10/18/2012	14,073.15	0.00	P	Y
00212293	BLUE CROSS BLUE SHIELD OF MICHIGAN	9/13/2012	10/18/2012	7,794.36	0.00	P	Y
00212294	BLUE CROSS BLUE SHIELD OF MICHIGAN	9/13/2012	10/18/2012	5,196.24	0.00	P	Y
00212410	AT & T	10/1/2012	10/18/2012	56,110.07	0.00	P	Y
00212414	AT & T SBS	10/4/2012	10/18/2012	19,981.62	0.00	P	Y
00212423	JEFFREY & TRACIE AUSTIN	10/10/2012	10/18/2012	7,812.00	0.00	P	Y
00212427	JOHN TRIMBLE	10/12/2012	10/18/2012	37,437.96	0.00	P	Y
00212431	STATE OF MICHIGAN	9/11/2012	10/18/2012	78,427.32	0.00	P	Y
00212432	STATE OF MICHIGAN	9/11/2012	10/18/2012	95,908.78	0.00	P	Y
00211509	MARATHON FLINT OIL COMPANY	9/19/2012	10/19/2012	8,428.55	0.00	P	Y
00211510	MARATHON FLINT OIL COMPANY	9/19/2012	10/19/2012	7,902.24	0.00	P	Y
00211511	MARATHON FLINT OIL COMPANY	9/19/2012	10/19/2012	5,517.69	0.00	P	Y
00212488	ICMA RETIREMENT CORP	10/17/2012	10/19/2012	16,471.73	0.00	P	Y
00212494	AFLAC	10/17/2012	10/19/2012	14,222.21	0.00	P	Y
00212496	EQUITABLE FINANCIAL SERVICES	10/17/2012	10/19/2012	14,171.48	0.00	P	Y
00212498	ICMA RETIREMENT TRUST	10/17/2012	10/19/2012	14,689.35	0.00	P	Y
00212501	AFSCME, LOCAL 1600	10/17/2012	10/19/2012	5,283.22	0.00	P	Y
00212538	MI STATE DISBURSEMENT UNIT	10/17/2012	10/19/2012	23,904.80	0.00	P	Y
00212511	CITY OF FLINT	10/17/2012	10/19/2012	9,397.39	0.00	P	Y
00212510	CITIGROUP GLOBAL MKTS INC.	10/17/2012	10/19/2012	5,778.12	0.00	P	Y
00212715	ANTHONY COLE	10/12/2012	10/23/2012	29,336.14	0.00	P	Y
00212751	ACE ASPHALT AND PAVING COMPANY	9/20/2012	10/25/2012	36,103.56	0.00	P	Y
00212757	ACE ASPHALT AND PAVING COMPANY	10/3/2012	10/25/2012	20,682.98	0.00	P	Y
00212759	ACE ASPHALT AND PAVING COMPANY	10/10/2012	10/25/2012	13,431.35	0.00	P	Y
00212761	ACE ASPHALT AND PAVING COMPANY	10/16/2012	10/25/2012	6,860.13	0.00	P	Y
00212765	ACE ASPHALT AND PAVING COMPANY	10/4/2012	10/25/2012	7,493.00	0.00	P	Y
00212768	ACE ASPHALT AND PAVING COMPANY	10/3/2012	10/25/2012	5,369.00	0.00	P	Y
00212769	ACE ASPHALT AND PAVING COMPANY	10/11/2012	10/25/2012	12,404.82	0.00	P	Y
00212964	C S MOTT COMMUNITY COLLEGE	10/15/2012	10/25/2012	65,753.57	0.00	P	Y
00212865	CARMAN SCHOOL DISTRICT	10/15/2012	10/25/2012	7,019.97	0.00	P	Y
00212746	CITIZENS DISPOSAL INC	10/15/2012	10/25/2012	16,298.45	0.00	P	Y
00212864	FLINT BOARD OF EDUCATION	10/15/2012	10/25/2012	282,314.81	0.00	P	Y
00212866	GENESEE INTERMEDIATE SCHOOL DIST	10/15/2012	10/25/2012	81,238.76	0.00	P	Y
00212870	MASS TRANSPORTATION AUTHORITY	10/15/2012	10/25/2012	13,794.70	0.00	P	Y

00212900	POLYDYNE INC	9/6/2012	10/25/2012	6,202.00	0.00	P	Y
00212586	ROWE ENGINEERING INC	8/28/2012	10/25/2012	6,215.39	0.00	P	Y
00212587	ROWE ENGINEERING INC	9/20/2012	10/25/2012	29,102.90	0.00	P	Y
00212591	ROWE ENGINEERING INC	8/30/2012	10/25/2012	27,393.00	0.00	P	Y
00212599	ROWE ENGINEERING INC	6/30/2012	10/25/2012	5,928.01	0.00	P	Y
00212600	ROWE ENGINEERING INC	8/14/2012	10/25/2012	5,469.97	0.00	P	Y
00212725	ROWE ENGINEERING INC	6/30/2012	10/25/2012	8,773.64	0.00	P	Y
00212726	ROWE ENGINEERING INC	8/30/2012	10/25/2012	5,526.08	0.00	P	Y
00212727	ROWE ENGINEERING INC	9/20/2012	10/25/2012	9,989.54	0.00	P	Y
00212830	ROWE ENGINEERING INC	9/20/2012	10/25/2012	5,361.30	0.00	P	Y
00212868	FLINT PUBLIC LIBRARY	10/15/2012	10/25/2012	66,676.32	0.00	P	Y
00212659	CDW GOVERNMENT INC	9/21/2012	10/25/2012	5,387.00	0.00	P	Y
00212863	GENESEE COUNTY TREASURER-MET	10/15/2012	10/25/2012	136,920.28	0.00	P	Y
00212869	GENESEE COUNTY TREASURER	10/15/2012	10/25/2012	126,617.45	0.00	P	Y
00212706	FISHER INVESTMENTS	10/15/2012	10/25/2012	39,572.47	0.00	P	Y
00212914	ORNAMENTAL SECURITY DOORS, INC	10/22/2012	10/25/2012	5,812.20	0.00	P	Y
00212915	HEALTHPLUS OF MICHIGAN	10/10/2012	10/25/2012	359,602.12	0.00	P	Y
00212593	OPERATION UNIFICATION INC	10/5/2012	10/25/2012	12,265.99	0.00	P	Y
00212594	OPERATION UNIFICATION INC	10/5/2012	10/25/2012	18,844.00	0.00	P	Y
00212922	METRO COMMUNITY DEVELOPMENT, INC	8/13/2012	10/25/2012	17,468.18	0.00	P	Y
00212886	SOURCE 1 ENVIRONMENTAL, LLC	10/4/2012	10/25/2012	12,540.00	0.00	P	Y
00212952	U.S. DEPT OF HOUSING&URBAN DEV	10/12/2012	10/25/2012	98,079.15	0.00	P	Y
00212965	AT & T	10/4/2012	10/25/2012	33,601.40	0.00	P	Y
00212874	KIMBERLY LEWIS	10/19/2012	10/25/2012	10,879.75	0.00	P	Y
00212872	RHODA CLARK	10/19/2012	10/25/2012	13,085.36	0.00	P	Y
00207852	ELECTRONIC RESTORATION SERVICES INC	10/26/2012	10/25/2012	8,873.42	0.00	P	Y
00211514	MARATHON FLINT OIL COMPANY	9/26/2012	10/26/2012	6,195.66	0.00	P	Y
00213152	COURT STREET VILLAGE	9/13/2012	11/1/2012	8,608.00	0.00	P	Y
00213137	DISABILITY NETWORK	7/11/2012	11/1/2012	14,610.35	0.00	P	Y
00213138	DISABILITY NETWORK	8/14/2012	11/1/2012	16,037.35	0.00	P	Y
00213250	Treasurer, City of Flint	10/24/2012	11/1/2012	23,083.15	0.00	P	Y
00213277	Treasurer, City of Flint	10/24/2012	11/1/2012	5,253.11	0.00	P	Y
00213391	FLINT NEIGHBORHOOD IMPRVT&PRES PROJ	10/4/2012	11/1/2012	44,753.00	0.00	P	Y
00213392	FLINT NEIGHBORHOOD IMPRVT&PRES PROJ	10/4/2012	11/1/2012	20,821.00	0.00	P	Y
00213139	GENESEE COUNTY YOUTH CORP	9/24/2012	11/1/2012	6,793.39	0.00	P	Y
00212198	MARATHON FLINT OIL COMPANY	10/2/2012	11/1/2012	7,426.79	0.00	P	Y
00212199	MARATHON FLINT OIL COMPANY	10/2/2012	11/1/2012	5,784.51	0.00	P	Y

00213423	MUTUAL EYE CLAIM AUDIT INC	10/2/2012	11/1/2012	6,429.75	0.00	P	Y
00213209	J & M TREE SERVICE	8/31/2012	11/1/2012	8,050.00	0.00	P	Y
00213430	GLOBALT INC	10/22/2012	11/1/2012	31,692.62	0.00	P	Y
00213363	STANDARD INSURANCE CO.	10/30/2012	11/1/2012	6,120.14	0.00	P	Y
00213352	BURNASH WRECKING, INC	10/8/2012	11/1/2012	6,998.80	0.00	P	Y
00213398	BURNASH WRECKING, INC	8/3/2012	11/1/2012	6,736.00	0.00	P	Y
00213419	BURNASH WRECKING, INC	10/1/2012	11/1/2012	5,059.80	0.00	P	Y
00213283	Consumers Energy	10/30/2012	11/1/2012	9,421.80	0.00	P	Y
00213324	Consumers Energy	10/30/2012	11/1/2012	79,970.57	0.00	P	Y
00213325	Consumers Energy	10/30/2012	11/1/2012	18,218.29	0.00	P	Y
00213146	OPERATION UNIFICATION INC	10/25/2012	11/1/2012	13,500.00	0.00	P	Y
00213173	DELL FINANCIAL SERVICES, LLC	10/19/2012	11/1/2012	12,652.79	0.00	P	Y
00213074	FISHER BIOMEDICAL INC	10/9/2012	11/1/2012	11,895.00	0.00	P	Y
00213022	BLUE CROSS BLUE SHIELD OF MICHIGAN	10/9/2012	11/1/2012	6,856.15	0.00	P	Y
00213023	BLUE CROSS BLUE SHIELD OF MICHIGAN	10/9/2012	11/1/2012	19,413.73	0.00	P	Y
00213024	BLUE CROSS BLUE SHIELD OF MICHIGAN	10/9/2012	11/1/2012	8,371.72	0.00	P	Y
00213025	BLUE CROSS BLUE SHIELD OF MICHIGAN	10/9/2012	11/1/2012	13,784.47	0.00	P	Y
00213027	BLUE CROSS BLUE SHIELD OF MICHIGAN	10/9/2012	11/1/2012	7,794.36	0.00	P	Y
00213028	BLUE CROSS BLUE SHIELD OF MICHIGAN	10/9/2012	11/1/2012	5,051.90	0.00	P	Y
00213031	BLUE CROSS BLUE SHIELD OF MICHIGAN	10/10/2012	11/1/2012	7,000.49	0.00	P	Y
00213032	BLUE CROSS BLUE SHIELD OF MICHIGAN	10/10/2012	11/1/2012	19,774.58	0.00	P	Y
00213033	BLUE CROSS BLUE SHIELD OF MICHIGAN	10/10/2012	11/1/2012	8,299.55	0.00	P	Y
00213034	BLUE CROSS BLUE SHIELD OF MICHIGAN	10/10/2012	11/1/2012	14,650.51	0.00	P	Y
00213036	BLUE CROSS BLUE SHIELD OF MICHIGAN	10/10/2012	11/1/2012	7,794.36	0.00	P	Y
00213037	BLUE CROSS BLUE SHIELD OF MICHIGAN	10/10/2012	11/1/2012	5,124.07	0.00	P	Y
00213155	Fast Finance Auto Sales	10/25/2012	11/1/2012	19,192.55	0.00	P	Y
00213428	SHARMONICA DAVIS	10/26/2012	11/1/2012	6,935.29	0.00	P	Y
00213440	ICMA RETIREMENT CORP	10/30/2012	11/2/2012	16,308.65	0.00	P	Y
00213444	FLINT FIRE FIGHTERS #352	10/30/2012	11/2/2012	6,887.34	0.00	P	Y
00213447	AFLAC	10/30/2012	11/2/2012	14,239.33	0.00	P	Y
00213450	EQUITABLE FINANCIAL SERVICES	10/30/2012	11/2/2012	14,158.36	0.00	P	Y
00213452	ICMA RETIREMENT TRUST	10/30/2012	11/2/2012	14,719.07	0.00	P	Y
00213456	AFSCME, LOCAL 1600	10/30/2012	11/2/2012	5,845.91	0.00	P	Y
00213493	MI STATE DISBURSEMENT UNIT	10/30/2012	11/2/2012	23,573.84	0.00	P	Y
00213465	CITY OF FLINT	10/30/2012	11/2/2012	9,525.86	0.00	P	Y
00213464	CITIGROUP GLOBAL MKTS INC.	10/30/2012	11/2/2012	5,837.84	0.00	P	Y
00213654	C & S MOTORS	10/24/2012	11/8/2012	13,498.24	0.00	P	Y

00213701	C S MOTT COMMUNITY COLLEGE	10/31/2012	11/8/2012	153,356.62	0.00	P	Y
00213698	CARMAN SCHOOL DISTRICT	10/31/2012	11/8/2012	18,940.68	0.00	P	Y
00213580	CITIZENS DISPOSAL INC	10/31/2012	11/8/2012	17,808.17	0.00	P	Y
00213579	CITY OF DETROIT	10/25/2012	11/8/2012	1,931,975.00	0.00	P	Y
00213705	DOWNTOWN DEVELOPMENT AUTHORITY	10/31/2012	11/8/2012	6,396.39	0.00	P	Y
00213697	FLINT BOARD OF EDUCATION	10/31/2012	11/8/2012	685,027.22	0.00	P	Y
00213699	GENESEE INTERMEDIATE SCHOOL DIST	10/31/2012	11/8/2012	185,915.84	0.00	P	Y
00212200	MARATHON FLINT OIL COMPANY	10/9/2012	11/8/2012	6,383.48	0.00	P	Y
00212201	MARATHON FLINT OIL COMPANY	10/9/2012	11/8/2012	8,273.11	0.00	P	Y
00212203	MARATHON FLINT OIL COMPANY	10/9/2012	11/8/2012	7,648.69	0.00	P	Y
00213704	MASS TRANSPORTATION AUTHORITY	10/31/2012	11/8/2012	31,567.77	0.00	P	Y
00213700	SWARTZ CREEK SCHOOL DISTRICT	10/31/2012	11/8/2012	19,282.06	0.00	P	Y
00213736	XEROX CORP	10/21/2012	11/8/2012	11,495.78	0.00	P	Y
00213800	NEXTEL COMMUNICATIONS	10/10/2012	11/8/2012	5,530.74	0.00	P	Y
00213702	FLINT PUBLIC LIBRARY	10/31/2012	11/8/2012	152,582.04	0.00	P	Y
00213688	MAIL ROOM SERVICE CENTER	9/30/2012	11/8/2012	5,901.55	0.00	P	Y
00213689	MAIL ROOM SERVICE CENTER	10/31/2012	11/8/2012	6,626.25	0.00	P	Y
00213653	PLANTE & MORAN, LLP	10/25/2012	11/8/2012	8,000.00	0.00	P	Y
00213575	GENESEE COUNTY TREASURER	10/22/2012	11/8/2012	29,500.00	0.00	P	Y
00213563	M & M PAVEMENT MARKING, INC	10/31/2012	11/8/2012	53,159.10	0.00	P	Y
00213763	CDW GOVERNMENT INC	9/11/2012	11/8/2012	5,634.12	0.00	P	Y
00213696	GENESEE COUNTY TREASURER-MET	10/31/2012	11/8/2012	289,968.47	0.00	P	Y
00213781	PRODUCTIVITY SYSTEMS INC	10/11/2012	11/8/2012	12,940.43	0.00	P	Y
00213703	GENESEE COUNTY TREASURER	10/31/2012	11/8/2012	289,753.56	0.00	P	Y
00213569	A.S.K. SERVICES, INC.	10/31/2012	11/8/2012	5,050.00	0.00	P	Y
00213539	LSV ASSET MANAGEMENT	10/17/2012	11/8/2012	26,973.00	0.00	P	Y
00213526	CORNERSTONE MUNICIPAL ADVISORY GR.	8/6/2012	11/8/2012	30,000.00	0.00	P	Y
00213538	SIEMENS WATER TECH - ENVIREX	11/17/2012	11/8/2012	9,945.00	0.00	P	Y
00213706	LAKESHORE ENERGY SERVICES, LLC	11/1/2012	11/8/2012	16,470.30	0.00	P	Y
00213749	PNC CAPITAL ADVISORS, LLC	10/25/2012	11/8/2012	18,745.56	0.00	P	Y
00213765	CUSTOM PRODUCTS CORPORATION	10/23/2012	11/8/2012	29,829.79	0.00	P	Y
00213759	LIGHTLE ENTERPRISES OF OHIO LLC	10/16/2012	11/8/2012	13,050.00	0.00	P	Y
00213540	MCLAREN HEALTH PLAN	11/1/2012	11/8/2012	45,024.56	0.00	P	Y
00213852	DIPONIO CONTRACTING INC	9/12/2012	11/8/2012	159,407.43	0.00	P	Y
00213853	DIPONIO CONTRACTING INC	9/12/2012	11/8/2012	13,516.04	0.00	P	Y
00213713	SWEDISH BIOGAS INTERNATIONAL, LLC	10/8/2012	11/8/2012	11,223.45	0.00	P	Y
00213634	HOUSEAL LAVIGNE ASSOCIATES LLC	10/1/2012	11/8/2012	34,556.84	0.00	P	Y

00213656	CORRIGAN OIL CO NO II	10/31/2012	11/8/2012	5,114.73	0.00	P	Y
00213695	HELEN ANDREWS	11/2/2012	11/8/2012	8,129.00	0.00	P	Y
00213691	JAMES AUGUST & HIS ATTY GEORGE HAMO	11/2/2012	11/8/2012	25,000.00	0.00	P	Y
00213692	SHIRLEY SCHULER & HER ATTY	11/2/2012	11/8/2012	20,000.00	0.00	P	Y
00213075	MARATHON FLINT OIL COMPANY	10/15/2012	11/14/2012	5,193.37	0.00	P	Y
00213076	MARATHON FLINT OIL COMPANY	10/15/2012	11/14/2012	8,113.54	0.00	P	Y
00213928	DISABILITY NETWORK	9/10/2012	11/15/2012	40,081.35	0.00	P	Y
00213929	DISABILITY NETWORK	10/5/2012	11/15/2012	41,730.07	0.00	P	Y
00213935	ROWE ENGINEERING INC	10/16/2012	11/15/2012	8,489.01	0.00	P	Y
00213939	ROWE ENGINEERING INC	6/30/2012	11/15/2012	16,277.50	0.00	P	Y
00213940	ROWE ENGINEERING INC	6/30/2012	11/15/2012	11,261.42	0.00	P	Y
00213943	ROWE ENGINEERING INC	10/16/2012	11/15/2012	8,012.64	0.00	P	Y
00213906	AVAYA FINANCIAL SERVICES	10/29/2012	11/15/2012	9,133.83	0.00	P	Y
00213977	GENESEE COUNTY TREASURER	11/12/2012	11/15/2012	61,266.00	0.00	P	Y
00214116	CONSUMERS ENERGY	10/31/2012	11/15/2012	11,609.72	0.00	P	Y
00214117	CONSUMERS ENERGY	10/31/2012	11/15/2012	206,645.97	0.00	P	Y
00214118	CONSUMERS ENERGY	10/30/2012	11/15/2012	6,989.78	0.00	P	Y
00214100	LAKE AGENCY	10/31/2012	11/15/2012	156,120.00	0.00	P	Y
00214035	NORTHERN TRUST COMPANY	9/30/2012	11/15/2012	63,867.30	0.00	P	Y
00214078	DETROIT SALT CO	10/24/2012	11/15/2012	5,628.14	0.00	P	Y
00213846	ESRI INC	9/18/2012	11/15/2012	10,800.00	0.00	P	Y
00213850	ARGUS-HAZCO	10/31/2012	11/15/2012	7,284.22	0.00	P	Y
00214101	AMWELL, DIVISION OF MCNISH CORP	8/20/2012	11/15/2012	236,100.00	0.00	P	Y
00214084	HEALTH DECISIONS INC	9/24/2012	11/15/2012	10,000.00	0.00	P	Y
00213876	EMICC INC	11/7/2012	11/15/2012	6,325.00	0.00	P	Y
00214131	AT & T	11/1/2012	11/15/2012	42,477.12	0.00	P	Y
00214135	ICMA RETIREMENT CORP	11/14/2012	11/15/2012	17,610.98	0.00	P	Y
00214141	AFLAC	11/14/2012	11/15/2012	14,229.94	0.00	P	Y
00214144	EQUITABLE FINANCIAL SERVICES	11/14/2012	11/15/2012	14,792.66	0.00	P	Y
00214146	ICMA RETIREMENT TRUST	11/14/2012	11/15/2012	15,364.39	0.00	P	Y
00214150	AFSCME, LOCAL 1600	11/14/2012	11/15/2012	5,403.93	0.00	P	Y
00214188	MI STATE DISBURSEMENT UNIT	11/14/2012	11/15/2012	23,726.29	0.00	P	Y
00214160	CITY OF FLINT	11/14/2012	11/15/2012	9,970.54	0.00	P	Y
00214159	CITIGROUP GLOBAL MKTS INC.	11/14/2012	11/15/2012	5,868.91	0.00	P	Y
00213972	STATE OF MICHIGAN	8/8/2012	11/15/2012	44,015.94	0.00	P	Y
00213973	STATE OF MICHIGAN	9/19/2012	11/15/2012	63,335.60	0.00	P	Y
00213975	STATE OF MICHIGAN	9/19/2012	11/15/2012	43,230.83	0.00	P	Y

00213976	STATE OF MICHIGAN	10/10/2012	11/15/2012	45,542.21	0.00	P	Y
00214093	STATE OF MICHIGAN	11/13/2012	11/15/2012	88,696.96	0.00	P	Y
00214094	STATE OF MICHIGAN	11/13/2012	11/15/2012	80,614.78	0.00	P	Y
00213080	MARATHON FLINT OIL COMPANY	10/22/2012	11/21/2012	7,537.12	0.00	P	Y
00213082	MARATHON FLINT OIL COMPANY	10/23/2012	11/22/2012	7,038.78	0.00	P	Y
00214236	ROWE ENGINEERING INC	10/16/2012	11/22/2012	24,823.21	0.00	P	Y
00214246	ROWE ENGINEERING INC	8/30/2012	11/22/2012	11,192.25	0.00	P	Y
00214248	ROWE ENGINEERING INC	10/16/2012	11/22/2012	7,015.25	0.00	P	Y
00214213	WILLIAM E WALTER INC	10/18/2012	11/22/2012	30,700.00	0.00	P	Y
00214205	EAST JORDAN IRON WORKS INC.	9/25/2012	11/22/2012	8,125.80	0.00	P	Y
00214379	HEALTHPLUS OF MICHIGAN	11/12/2012	11/22/2012	350,202.07	0.00	P	Y
00214375	CHEMICAL SYSTEMS INC	10/2/2012	11/22/2012	5,616.00	0.00	P	Y
00214308	OAK CONSTRUCTION CORPORATION	11/7/2012	11/22/2012	21,505.00	0.00	P	Y
00214238	DIPONIO CONTRACTING INC	10/25/2012	11/22/2012	117,445.00	0.00	P	Y
00214239	GDC SMITH VILLAGE LLC	11/12/2012	11/22/2012	123,648.00	0.00	P	Y
00214250	GDC SMITH VILLAGE LLC	10/29/2012	11/22/2012	152,154.00	0.00	P	Y
00214251	GDC SMITH VILLAGE LLC	11/12/2012	11/22/2012	94,484.00	0.00	P	Y
00214383	BLUE CROSS BLUE SHIELD OF MICHIGAN	11/8/2012	11/22/2012	66,612.91	0.00	P	Y
00214294	EMICC INC	10/23/2012	11/22/2012	7,100.00	0.00	P	Y
00214225	STATE OF MICHIGAN	10/1/2012	11/22/2012	11,282.15	0.00	P	Y
00207853	ELECTRONIC RESTORATION SERVICES INC	11/23/2012	11/22/2012	8,853.07	0.00	P	Y
00213571	MARATHON FLINT OIL COMPANY	10/29/2012	11/28/2012	7,123.49	0.00	P	Y
00214770	ACE ASPHALT AND PAVING COMPANY	10/21/2012	11/29/2012	37,270.58	0.00	P	Y
00214823	C S MOTT COMMUNITY COLLEGE	10/31/2012	11/29/2012	53,558.04	0.00	P	Y
00214764	CARRIER AND GABLE	11/12/2012	11/29/2012	16,622.60	0.00	P	Y
00214433	CITIZENS DISPOSAL INC	11/15/2012	11/29/2012	16,753.01	0.00	P	Y
00214717	Treasurer, City of Flint	11/27/2012	11/29/2012	19,088.05	0.00	P	Y
00214744	Treasurer, City of Flint	11/27/2012	11/29/2012	8,403.72	0.00	P	Y
00214819	FLINT BOARD OF EDUCATION	10/31/2012	11/29/2012	257,182.57	0.00	P	Y
00214822	GENESEE INTERMEDIATE SCHOOL DIST	10/31/2012	11/29/2012	64,794.40	0.00	P	Y
00214826	MASS TRANSPORTATION AUTHORITY	10/31/2012	11/29/2012	11,002.12	0.00	P	Y
00214821	SWARTZ CREEK SCHOOL DISTRICT	10/31/2012	11/29/2012	27,203.67	0.00	P	Y
00214651	XEROX CORP	11/21/2012	11/29/2012	6,772.32	0.00	P	Y
00214824	FLINT PUBLIC LIBRARY	10/31/2012	11/29/2012	53,179.14	0.00	P	Y
00214625	WELLINGTON MANAGMENT CO, LLP	11/16/2012	11/29/2012	42,554.60	0.00	P	Y
00214818	GENESEE COUNTY TREASURER-MET	11/15/2012	11/29/2012	114,630.47	0.00	P	Y
00214445	PITNEY BOWES PURCHASE POWER	11/21/2012	11/29/2012	10,099.59	0.00	P	Y

00214779	DETROIT SALT CO	10/31/2012	11/29/2012	5,425.79	0.00	P	Y
00214780	DETROIT SALT CO	10/30/2012	11/29/2012	5,755.02	0.00	P	Y
00214781	DETROIT SALT CO	10/25/2012	11/29/2012	5,735.88	0.00	P	Y
00214782	DETROIT SALT CO	10/29/2012	11/29/2012	5,621.58	0.00	P	Y
00214798	ENVIRONMENTAL CONSULTING & TECH	6/29/2012	11/29/2012	52,632.11	0.00	P	Y
00214799	ENVIRONMENTAL CONSULTING & TECH	8/23/2012	11/29/2012	7,858.74	0.00	P	Y
00214800	ENVIRONMENTAL CONSULTING & TECH	7/27/2012	11/29/2012	103,879.23	0.00	P	Y
00214825	GENESEE COUNTY TREASURER	10/31/2012	11/29/2012	100,986.22	0.00	P	Y
00214797	SALEM HOUSING COMM DEVELOPMENT CORP	11/2/2012	11/29/2012	24,429.58	0.00	P	Y
00214448	Consumers Energy	11/21/2012	11/29/2012	22,461.44	0.00	P	Y
00214472	Consumers Energy	11/21/2012	11/29/2012	10,632.73	0.00	P	Y
00214476	Consumers Energy	11/21/2012	11/29/2012	7,454.32	0.00	P	Y
00214503	Consumers Energy	11/21/2012	11/29/2012	6,488.52	0.00	P	Y
00214511	Consumers Energy	11/21/2012	11/29/2012	89,042.72	0.00	P	Y
00214512	Consumers Energy	11/21/2012	11/29/2012	18,589.07	0.00	P	Y
00214432	OPERATION UNIFICATION INC	11/9/2012	11/29/2012	5,222.00	0.00	P	Y
00214838	OPERATION UNIFICATION INC AND	11/9/2012	11/29/2012	9,300.00	0.00	P	Y
00214839	OPERATION UNIFICATION INC AND	11/9/2012	11/29/2012	19,582.90	0.00	P	Y
00214801	METRO COMMUNITY DEVELOPMENT, INC	10/16/2012	11/29/2012	22,500.00	0.00	P	Y
00214643	DIPONIO CONTRACTING INC	11/13/2012	11/29/2012	12,472.00	0.00	P	Y
00214642	DU ALL CLEANING INC	11/1/2012	11/29/2012	7,997.98	0.00	P	Y
00214568	AT & T SBS	11/4/2012	11/29/2012	19,970.55	0.00	P	Y
00214812	LINDA M FRANCIS	11/19/2012	11/29/2012	7,812.00	0.00	P	Y
00214814	ELLSWORTH MCCAMPBELL JR	11/19/2012	11/29/2012	8,129.00	0.00	P	Y
00214578	Russell Collection Agency	11/19/2012	11/29/2012	5,197.45	0.00	P	Y
00214898	TONYA FIELDS	11/26/2012	11/29/2012	35,494.35	0.00	P	Y
00214900	DIVERSIFIED, FBO:JACQUELINE METZGER	11/26/2012	11/29/2012	33,690.44	0.00	P	Y
00214581	WALGREEN CO & HONIGMAN MILLER	11/21/2012	11/29/2012	56,013.84	0.00	P	Y
00214840	ICMA RETIREMENT CORP	11/28/2012	11/30/2012	13,463.35	0.00	P	Y
00214846	AFLAC	11/28/2012	11/30/2012	14,172.52	0.00	P	Y
00214849	EQUITABLE FINANCIAL SERVICES	11/28/2012	11/30/2012	14,804.21	0.00	P	Y
00214851	ICMA RETIREMENT TRUST	11/28/2012	11/30/2012	14,900.73	0.00	P	Y
00214853	AFSCME, LOCAL 1600	11/28/2012	11/30/2012	5,343.83	0.00	P	Y
00214885	MI STATE DISBURSEMENT UNIT	11/28/2012	11/30/2012	23,227.20	0.00	P	Y
00214858	CITY OF FLINT	11/28/2012	11/30/2012	9,522.40	0.00	P	Y
00214857	CITIGROUP GLOBAL MKTS INC.	11/28/2012	11/30/2012	5,668.39	0.00	P	Y
00215083	AIS CONSTRUCTION EQUIP&CONTRACTORS	11/30/2012	12/6/2012	68,415.00	0.00	P	Y

00215167	C S MOTT COMMUNITY COLLEGE	11/30/2012	12/6/2012	15,693.87	0.00	P	Y
00214941	COURT STREET VILLAGE	9/13/2012	12/6/2012	8,608.00	0.00	P	Y
00214908	CITY OF DETROIT	11/21/2012	12/6/2012	1,836,391.85	0.00	P	Y
00215165	FLINT BOARD OF EDUCATION	11/30/2012	12/6/2012	77,613.05	0.00	P	Y
00215184	GABRIEL ROEDER SMITH AND CO	4/2/2012	12/6/2012	9,000.00	0.00	P	Y
00215185	GABRIEL ROEDER SMITH AND CO	7/19/2012	12/6/2012	21,100.00	0.00	P	Y
00215166	GENESEE INTERMEDIATE SCHOOL DIST	11/30/2012	12/6/2012	19,394.87	0.00	P	Y
00214585	MARATHON FLINT OIL COMPANY	11/6/2012	12/6/2012	7,675.19	0.00	P	Y
00214587	MARATHON FLINT OIL COMPANY	11/6/2012	12/6/2012	10,078.13	0.00	P	Y
00215170	MASS TRANSPORTATION AUTHORITY	11/30/2012	12/6/2012	5,877.79	0.00	P	Y
00215190	MUTUAL EYE CLAIM AUDIT INC	11/5/2012	12/6/2012	8,343.59	0.00	P	Y
00214993	PLUNKETT AND COONEY	11/12/2012	12/6/2012	5,242.00	0.00	P	Y
00214933	RED WING SHOE STORE	11/7/2012	12/6/2012	6,041.41	0.00	P	Y
00214917	ROWE ENGINEERING INC	11/2/2012	12/6/2012	49,906.40	0.00	P	Y
00215168	FLINT PUBLIC LIBRARY	11/30/2012	12/6/2012	17,534.87	0.00	P	Y
00215135	GENESEE COUNTY TREASURER	12/4/2012	12/6/2012	61,266.00	0.00	P	Y
00215164	GENESEE COUNTY TREASURER-MET	11/30/2012	12/6/2012	32,910.85	0.00	P	Y
00214940	MICHIGAN CAT INC	11/26/2012	12/6/2012	8,554.00	0.00	P	Y
00215077	MICHIGAN CAT INC	11/28/2012	12/6/2012	6,314.00	0.00	P	Y
00215169	GENESEE COUNTY TREASURER	11/30/2012	12/6/2012	39,173.77	0.00	P	Y
00215144	BARTMAN EXCAVATING	12/5/2012	12/6/2012	26,400.00	0.00	P	Y
00215013	METRON-FARNIER, LLC	9/1/2012	12/6/2012	10,750.00	0.00	P	Y
00215014	SALEM HOUSING COMM DEVELOPMENT CORP	10/29/2012	12/6/2012	19,168.00	0.00	P	Y
00215000	STANDARD INSURANCE CO.	12/1/2012	12/6/2012	6,085.82	0.00	P	Y
00214998	GIARMARCO MULLINS & HORTON PC	11/13/2012	12/6/2012	7,660.40	0.00	P	Y
00215078	JACK FICK EXCAVATING INC	11/26/2012	12/6/2012	24,300.00	0.00	P	Y
00214904	MCLAREN HEALTH PLAN	11/13/2012	12/6/2012	49,435.92	0.00	P	Y
00214932	DIPONIO CONTRACTING INC	11/7/2012	12/6/2012	72,414.52	0.00	P	Y
00214935	DIPONIO CONTRACTING INC	10/25/2012	12/6/2012	5,502.88	0.00	P	Y
00215162	DIPONIO CONTRACTING INC	10/25/2012	12/6/2012	11,744.50	0.00	P	Y
00215012	EQ THE ENVIRONMENTAL QUALITY CO	11/9/2012	12/6/2012	18,366.43	0.00	P	Y
00215219	JOE MCCLURE	12/5/2012	12/6/2012	9,233.69	0.00	P	Y
00215163	DEAN T YEOTIS, GLEN N LENHOFF &	1/7/2013	12/6/2012	2,452,724.40	0.00	P	Y
00215261	MIDWEST DIRECT	12/7/2012	12/7/2012	10,000.00	0.00	P	Y
00214592	MARATHON FLINT OIL COMPANY	11/12/2012	12/12/2012	9,621.86	0.00	P	Y
00214593	MARATHON FLINT OIL COMPANY	11/13/2012	12/13/2012	6,391.43	0.00	P	Y
00215320	MCNAUGHTON MCKAY ELECTRIC CO	10/18/2012	12/13/2012	86,523.58	0.00	P	Y

00215324	MCNAUGHTON MCKAY ELECTRIC CO	11/7/2012	12/13/2012	16,225.12	0.00	P	Y
00215370	ROWE ENGINEERING INC	11/2/2012	12/13/2012	13,338.25	0.00	P	Y
00215371	ROWE ENGINEERING INC	11/2/2012	12/13/2012	13,089.75	0.00	P	Y
00215223	AVAYA FINANCIAL SERVICES	11/28/2012	12/13/2012	9,133.83	0.00	P	Y
00215385	MAIL ROOM SERVICE CENTER	11/30/2012	12/13/2012	5,846.30	0.00	P	Y
00215463	CONSUMERS ENERGY	11/30/2012	12/13/2012	11,609.72	0.00	P	Y
00215464	CONSUMERS ENERGY	11/30/2012	12/13/2012	206,795.32	0.00	P	Y
00215335	BARTMAN EXCAVATING	12/7/2012	12/13/2012	20,700.00	0.00	P	Y
00215260	SALEM HOUSING COMM DEVELOPMENT CORP	12/4/2012	12/13/2012	26,469.00	0.00	P	Y
00215380	ZITO CONSTRUCTION CO	12/7/2012	12/13/2012	93,000.00	0.00	P	Y
00215499	Consumers Energy	12/11/2012	12/13/2012	24,935.43	0.00	P	Y
00215326	SECURITY COUNTERMEASURES &	10/3/2012	12/13/2012	6,700.00	0.00	P	Y
00215327	SECURITY COUNTERMEASURES &	11/1/2012	12/13/2012	6,700.00	0.00	P	Y
00215224	DELL FINANCIAL SERVICES, LLC	11/18/2012	12/13/2012	12,652.79	0.00	P	Y
00215381	JACK FICK EXCAVATING INC	12/7/2012	12/13/2012	14,200.00	0.00	P	Y
00215382	JACK FICK EXCAVATING INC	12/7/2012	12/13/2012	58,400.00	0.00	P	Y
00215570	DIPONIO CONTRACTING INC	11/13/2012	12/13/2012	8,000.91	0.00	P	Y
00215511	EPIC TECHNOLOGY SOLUTIONSLLC	12/6/2012	12/13/2012	13,750.00	0.00	P	Y
00215535	BLUE CROSS BLUE SHIELD OF MICHIGAN	12/7/2012	12/13/2012	66,973.76	0.00	P	Y
00215397	AT & T	12/1/2012	12/13/2012	41,829.49	0.00	P	Y
00215562	TWYNETTE WILLIAMS	12/5/2012	12/13/2012	23,349.34	0.00	P	Y
00215704	OPERATION UNIFICATION INC AND	12/4/2012	12/14/2012	18,575.00	0.00	P	Y
00215573	ICMA RETIREMENT CORP	12/12/2012	12/14/2012	16,484.10	0.00	P	Y
00215577	FLINT FIRE FIGHTERS #352	12/12/2012	12/14/2012	9,162.34	0.00	P	Y
00215580	AFLAC	12/12/2012	12/14/2012	14,478.77	0.00	P	Y
00215583	EQUITABLE FINANCIAL SERVICES	12/12/2012	12/14/2012	14,431.91	0.00	P	Y
00215585	ICMA RETIREMENT TRUST	12/12/2012	12/14/2012	14,575.89	0.00	P	Y
00215589	AFSCME, LOCAL 1600	12/12/2012	12/14/2012	5,303.48	0.00	P	Y
00215623	MI STATE DISBURSEMENT UNIT	12/12/2012	12/14/2012	22,752.08	0.00	P	Y
00215597	CITY OF FLINT	12/12/2012	12/14/2012	9,693.48	0.00	P	Y
00215596	CITIGROUP GLOBAL MKTS INC.	12/12/2012	12/14/2012	5,813.96	0.00	P	Y
00215735	GDC SMITH VILLAGE LLC	11/26/2012	12/18/2012	193,689.00	0.00	P	Y
00215736	GDC SMITH VILLAGE LLC	12/10/2012	12/18/2012	108,722.74	0.00	P	Y
00215744	GDC SMITH VILLAGE LLC	11/26/2012	12/18/2012	187,581.00	0.00	P	Y
00215745	GDC SMITH VILLAGE LLC	12/10/2012	12/18/2012	163,423.50	0.00	P	Y
00215914	ACE ASPHALT AND PAVING COMPANY	12/12/2012	12/20/2012	9,424.97	0.00	P	Y
00215678	CITIZENS DISPOSAL INC	11/30/2012	12/20/2012	17,438.93	0.00	P	Y

00215786	HYDRO DYNAMICS	11/30/2012	12/20/2012	96,873.00	0.00	P	Y
00214599	MARATHON FLINT OIL COMPANY	11/20/2012	12/20/2012	9,574.08	0.00	P	Y
00215886	MUTUAL EYE CLAIM AUDIT INC	12/3/2012	12/20/2012	5,877.28	0.00	P	Y
00215787	POLYDYNE INC	12/12/2012	12/20/2012	6,115.20	0.00	P	Y
00215817	ROWE ENGINEERING INC	10/16/2012	12/20/2012	39,902.64	0.00	P	Y
00215835	ROWE ENGINEERING INC	10/3/2012	12/20/2012	116,353.13	0.00	P	Y
00215902	SHELTER OF FLINT	8/8/2012	12/20/2012	7,221.85	0.00	P	Y
00215892	BP CANADA ENERGY MARKETING CORP	12/12/2012	12/20/2012	27,720.00	0.00	P	Y
00215761	EAST JORDAN IRON WORKS INC.	11/9/2012	12/20/2012	19,926.84	0.00	P	Y
00215764	EAST JORDAN IRON WORKS INC.	11/22/2012	12/20/2012	6,534.61	0.00	P	Y
00215922	CONSUMERS ENERGY	11/29/2012	12/20/2012	7,740.25	0.00	P	Y
00215901	GENESEE COUNTY DRAIN COMMISSIONER	12/3/2012	12/20/2012	9,291.25	0.00	P	Y
00215812	MICHIGAN CAT INC	11/29/2012	12/20/2012	6,314.00	0.00	P	Y
00215813	MICHIGAN CAT INC	11/29/2012	12/20/2012	6,314.00	0.00	P	Y
00215822	ZITO CONSTRUCTION CO	12/13/2012	12/20/2012	58,800.00	0.00	P	Y
00215709	FLUID PROCESS EQUIPMENT INC	9/28/2012	12/20/2012	11,781.90	0.00	P	Y
00215751	JEFFERSON AUDIO VIDEO SYSTEMS, INC	11/29/2012	12/20/2012	10,200.00	0.00	P	Y
00215879	OPERATION UNIFICATION INC	12/13/2012	12/20/2012	16,801.25	0.00	P	Y
00215823	JACK FICK EXCAVATING INC	12/14/2012	12/20/2012	44,500.00	0.00	P	Y
00215746	MAK CONTROLS LLC	11/1/2012	12/20/2012	22,305.00	0.00	P	Y
00215877	DIPONIO CONTRACTING INC	11/14/2012	12/20/2012	20,000.00	0.00	P	Y
00215910	DIPONIO CONTRACTING INC	12/13/2012	12/20/2012	127,428.31	0.00	P	Y
00215916	DIPONIO CONTRACTING INC	11/28/2012	12/20/2012	52,242.50	0.00	P	Y
00215918	DIPONIO CONTRACTING INC	12/13/2012	12/20/2012	69,542.50	0.00	P	Y
00215934	DIPONIO CONTRACTING INC	12/3/2012	12/20/2012	287,960.00	0.00	P	Y
00215936	DIPONIO CONTRACTING INC	12/11/2012	12/20/2012	213,498.16	0.00	P	Y
00215790	HOUSEAL LAVIGNE ASSOCIATES LLC	11/13/2012	12/20/2012	26,140.84	0.00	P	Y
00215791	HOUSEAL LAVIGNE ASSOCIATES LLC	12/5/2012	12/20/2012	31,672.74	0.00	P	Y
00215828	HOUSEAL LAVIGNE ASSOCIATES LLC	11/13/2012	12/20/2012	14,466.25	0.00	P	Y
00215829	HOUSEAL LAVIGNE ASSOCIATES LLC	12/5/2012	12/20/2012	10,756.25	0.00	P	Y
00215805	BOYD'S LAWN & LANDSCAPING	12/14/2012	12/20/2012	5,292.00	0.00	P	Y
00215687	ABLE DEMOLITION INC	12/11/2012	12/20/2012	5,900.00	0.00	P	Y
00215689	ABLE DEMOLITION INC	12/12/2012	12/20/2012	38,400.00	0.00	P	Y
00215821	ABLE DEMOLITION INC	12/14/2012	12/20/2012	14,700.00	0.00	P	Y
00215928	AT & T	11/4/2012	12/20/2012	33,478.36	0.00	P	Y
00215930	AT & T	12/4/2012	12/20/2012	13,609.82	0.00	P	Y
00215920	AT & T SBS	12/4/2012	12/20/2012	19,903.56	0.00	P	Y

00215893	CONSTRUCTION UNLIMITED	12/12/2012	12/20/2012	7,812.00	0.00	P	Y
00215887	RAY VYVYAN TRUST 05/31/2002	12/17/2012	12/20/2012	5,000.00	0.00	P	Y
00215749	STATE OF MICHIGAN	12/1/2012	12/20/2012	20,000.00	0.00	P	Y
00215840	STATE OF MICHIGAN	9/27/2012	12/20/2012	11,274.92	0.00	P	Y
00215883	STATE OF MICHIGAN	12/10/2012	12/20/2012	130,917.18	0.00	P	Y
00207854	ELECTRONIC RESTORATION SERVICES INC	12/21/2012	12/20/2012	8,845.99	0.00	P	Y
00216071	CITIZENS DISPOSAL INC	12/15/2012	12/27/2012	14,272.88	0.00	P	Y
00216087	Treasurer, City of Flint	12/26/2012	12/27/2012	17,872.15	0.00	P	Y
00216112	Treasurer, City of Flint	12/26/2012	12/27/2012	5,574.75	0.00	P	Y
00215466	MARATHON FLINT OIL COMPANY	11/27/2012	12/27/2012	6,519.65	0.00	P	Y
00215942	ROWE ENGINEERING INC	12/10/2012	12/27/2012	11,458.36	0.00	P	Y
00215941	PLANTE & MORAN, LLP	12/5/2012	12/27/2012	65,000.00	0.00	P	Y
00216020	ALDRIDGE TRUCKING	11/30/2012	12/27/2012	5,048.10	0.00	P	Y
00216050	CLOVERDALE EQUIPMENT CO	12/20/2012	12/27/2012	30,000.00	30,000.00	0	Y
00216045	USABLUEBOOK	12/14/2012	12/27/2012	5,885.60	0.00	P	Y
00215954	ICMA RETIREMENT CORP	12/20/2012	12/28/2012	15,318.90	0.00	P	Y
00215959	AFLAC	12/20/2012	12/28/2012	14,491.01	0.00	P	Y
00215961	EQUITABLE FINANCIAL SERVICES	12/20/2012	12/28/2012	14,322.94	0.00	P	Y
00215963	ICMA RETIREMENT TRUST	12/20/2012	12/28/2012	14,229.79	0.00	P	Y
00215966	AFSCME, LOCAL 1600	12/20/2012	12/28/2012	5,263.30	0.00	P	Y
00216002	MI STATE DISBURSEMENT UNIT	12/20/2012	12/28/2012	22,631.93	0.00	P	Y
00215976	CITY OF FLINT	12/20/2012	12/28/2012	9,224.45	0.00	P	Y
00215975	CITIGROUP GLOBAL MKTS INC.	12/20/2012	12/28/2012	5,823.55	0.00	P	Y
00215473	MARATHON FLINT OIL COMPANY	12/3/2012	1/2/2013	7,281.80	0.00	P	Y
00215481	MARATHON FLINT OIL COMPANY	12/3/2012	1/2/2013	7,543.16	0.00	P	Y
00216232	BISHOP INTERN'L AIRPORT AUTHORITHY	12/15/2012	1/3/2013	10,489.03	0.00	P	Y
00216227	C S MOTT COMMUNITY COLLEGE	12/15/2012	1/3/2013	15,698.51	0.00	P	Y
00216225	FLINT BOARD OF EDUCATION	12/15/2012	1/3/2013	70,427.48	0.00	P	Y
00216226	GENESEE INTERMEDIATE SCHOOL DIST	12/15/2012	1/3/2013	17,810.36	0.00	P	Y
00216230	MASS TRANSPORTATION AUTHORITY	12/15/2012	1/3/2013	20,338.30	0.00	P	Y
00216222	SIMEN, FIGURA & PARKER PLC	11/13/2012	1/3/2013	6,099.00	0.00	P	Y
00216228	FLINT PUBLIC LIBRARY	12/15/2012	1/3/2013	25,439.63	0.00	P	Y
00216224	GENESEE COUNTY TREASURER-MET	12/15/2012	1/3/2013	30,244.83	0.00	P	Y
00216229	GENESEE COUNTY TREASURER	12/15/2012	1/3/2013	80,782.73	0.00	P	Y
00216149	HEALTHPLUS OF MICHIGAN	12/17/2013	1/3/2013	291,895.18	0.00	P	Y
00216211	OPERATION UNIFICATION INC	12/13/2013	1/3/2013	10,143.25	0.00	P	Y
00216137	MCLAREN HEALTH PLAN	12/12/2012	1/3/2013	50,219.73	0.00	P	Y

00216157	ABLE DEMOLITION INC	12/18/2012	1/3/2013	10,800.00	0.00	P	Y
00216216	EASTRIDGE COMMONS REALTY LLC	12/18/2012	1/3/2013	11,913.40	0.00	P	Y
00216218	CONSUMERS ENERGY CO.	12/17/2012	1/3/2013	11,645.98	0.00	P	Y
00216523	BISHOP INTERN'L AIRPORT AUTHORITHY	12/31/2012	1/10/2013	83,924.10	0.00	P	Y
00216517	C S MOTT COMMUNITY COLLEGE	12/31/2012	1/10/2013	19,821.93	0.00	P	Y
00216448	CITIZENS DISPOSAL INC	12/31/2012	1/10/2013	15,778.39	0.00	P	Y
00216445	CITY OF DETROIT	12/21/2012	1/10/2013	1,744,651.36	0.00	P	Y
00216522	DOWNTOWN DEVELOPMENT AUTHORITY	12/31/2012	1/10/2013	49,051.72	0.00	P	Y
00216531	FLINT BOARD OF EDUCATION	12/31/2012	1/10/2013	67,489.32	0.00	P	Y
00216516	GENESEE INTERMEDIATE SCHOOL DIST	12/31/2012	1/10/2013	23,591.74	0.00	P	Y
00216492	MARATHON FLINT OIL COMPANY	12/11/2012	1/10/2013	7,417.19	0.00	P	Y
00216521	MASS TRANSPORTATION AUTHORITY	12/31/2012	1/10/2013	142,604.15	0.00	P	Y
00216565	ROWE ENGINEERING INC	12/10/2012	1/10/2013	48,978.75	0.00	P	Y
00216566	ROWE ENGINEERING INC	12/14/2012	1/10/2013	34,172.15	0.00	P	Y
00216374	SORENSEN GROSS CONSTRUCTION	1/4/2013	1/10/2013	30,436.00	30,436.00	0	Y
00216577	XEROX CORP	12/21/2012	1/10/2013	6,772.32	0.00	P	Y
00216317	COMPLETE TOWING SERVICE	10/24/2012	1/10/2013	29,652.00	0.00	P	Y
00216518	FLINT PUBLIC LIBRARY	12/31/2012	1/10/2013	105,511.15	0.00	P	Y
00216295	AVAYA FINANCIAL SERVICES	12/29/2012	1/10/2013	9,133.83	0.00	P	Y
00216325	PLANTE & MORAN, LLP	12/11/2012	1/10/2013	10,763.09	0.00	P	Y
00216320	GENESEE COUNTY TREASURER	1/3/2013	1/10/2013	61,266.00	0.00	P	Y
00216274	NEWKIRK ELECTRIC ASSOCIATES INC	12/31/2012	1/10/2013	34,078.70	0.00	P	Y
00216539	LAKE AGENCY	12/7/2012	1/10/2013	26,963.25	0.00	P	Y
00216515	GENESEE COUNTY TREASURER-MET	12/31/2012	1/10/2013	31,878.39	0.00	P	Y
00216335	PITNEY BOWES PURCHASE POWER	12/23/2012	1/10/2013	5,000.00	0.00	P	Y
00216279	W T STEVENS CONSTRUCTION, INC.	1/2/2013	1/10/2013	11,100.00	11,100.00	0	Y
00216369	W T STEVENS CONSTRUCTION, INC.	1/4/2013	1/10/2013	12,090.00	12,090.00	0	Y
00216469	GCR TIRE CENTERS	10/4/2012	1/10/2013	6,376.00	0.00	P	Y
00216519	GENESEE COUNTY TREASURER	12/31/2012	1/10/2013	516,368.14	0.00	P	Y
00216458	BARTMAN EXCAVATING	12/5/2012	1/10/2013	14,100.00	0.00	P	Y
00216457	ZITO CONSTRUCTION CO	1/4/2013	1/10/2013	103,900.00	0.00	P	Y
00216462	ZITO CONSTRUCTION CO	1/4/2013	1/10/2013	45,400.00	0.00	P	Y
00216375	AVAYA INC	12/16/2012	1/10/2013	40,230.24	0.00	P	Y
00216291	INNOVATIVE SOFTWARE SERVICES, INC	1/2/2013	1/10/2013	27,192.00	0.00	P	Y
00216649	Consumers Energy	1/8/2013	1/10/2013	10,021.69	0.00	P	Y
00216651	Consumers Energy	1/8/2013	1/10/2013	15,917.66	0.00	P	Y
00216681	Consumers Energy	1/8/2013	1/10/2013	17,482.57	0.00	P	Y

00216688	Consumers Energy	1/8/2013	1/10/2013	18,459.10	0.00	P	Y
00216689	Consumers Energy	1/8/2013	1/10/2013	91,181.05	0.00	P	Y
00216702	Consumers Energy	1/8/2013	1/10/2013	20,777.25	0.00	P	Y
00216272	ASTI ENVIRONMENTAL	10/8/2012	1/10/2013	10,948.58	0.00	P	Y
00216322	SECURITY COUNTERMEASURES &	12/3/2012	1/10/2013	6,700.00	0.00	P	Y
00216296	DELL FINANCIAL SERVICES, LLC	12/22/2012	1/10/2013	12,652.79	0.00	P	Y
00216525	LEVEL ONE LLC	12/28/2012	1/10/2013	22,500.00	0.00	P	Y
00216275	JACK FICK EXCAVATING INC	12/28/2012	1/10/2013	32,900.00	0.00	P	Y
00216365	JACK FICK EXCAVATING INC	1/4/2013	1/10/2013	54,100.00	0.00	P	Y
00216366	JACK FICK EXCAVATING INC	1/4/2013	1/10/2013	6,300.00	0.00	P	Y
00216336	ONIX NETWORKING CORPORATION	12/28/2012	1/10/2013	29,868.00	0.00	P	Y
00216792	GDC SMITH VILLAGE LLC	11/26/2012	1/10/2013	28,631.00	0.00	P	Y
00216793	GDC SMITH VILLAGE LLC	12/10/2012	1/10/2013	20,648.00	0.00	P	Y
00216364	ABLE DEMOLITION INC	1/4/2013	1/10/2013	37,200.00	0.00	P	Y
00216459	DXE MEDICAL INC	12/3/2012	1/10/2013	9,999.99	0.00	P	Y
00216572	ARELLANO & ASSOCIATES LLC	12/19/2012	1/10/2013	6,250.00	0.00	P	Y
00216592	AT & T	1/1/2013	1/10/2013	41,829.49	0.00	P	Y
00216706	PAUL MONTGOMERY, BENEF OF	1/8/2013	1/10/2013	5,000.00	0.00	P	Y
00216583	COMCAST OF FLINT INC	12/27/2012	1/10/2013	34,930.35	0.00	P	Y
00197362	MARATHON FLINT OIL COMPANY	12/12/2012	1/11/2013	5,329.43	0.00	P	Y
00216732	ICMA RETIREMENT CORP	1/9/2013	1/11/2013	15,486.49	0.00	P	Y
00216736	FLINT FIRE FIGHTERS #352	1/9/2013	1/11/2013	6,994.69	0.00	P	Y
00216739	AFLAC	1/9/2013	1/11/2013	14,594.42	0.00	P	Y
00216742	EQUITABLE FINANCIAL SERVICES	1/9/2013	1/11/2013	15,585.72	0.00	P	Y
00216744	ICMA RETIREMENT TRUST	1/9/2013	1/11/2013	15,929.88	0.00	P	Y
00216748	AFSCME, LOCAL 1600	1/9/2013	1/11/2013	5,241.73	0.00	P	Y
00216779	MI STATE DISBURSEMENT UNIT	1/9/2013	1/11/2013	24,914.37	0.00	P	Y
00216754	CITY OF FLINT	1/9/2013	1/11/2013	10,666.38	0.00	P	Y
00216753	CITIGROUP GLOBAL MKTS INC.	1/9/2013	1/11/2013	6,211.73	0.00	P	Y
00216497	MARATHON FLINT OIL COMPANY	12/17/2012	1/16/2013	6,991.56	0.00	P	Y
00216498	MARATHON FLINT OIL COMPANY	12/17/2012	1/16/2013	7,424.95	0.00	P	Y
00217024	NEXTEL COMMUNICATIONS	12/10/2012	1/17/2013	5,718.76	0.00	P	Y
00216838	PLANTE & MORAN, LLP	11/6/2012	1/17/2013	55,000.00	0.00	P	Y
00216840	PLANTE & MORAN, LLP	1/7/2013	1/17/2013	22,500.00	0.00	P	Y
00217018	BP CANADA ENERGY MARKETING CORP	1/9/2013	1/17/2013	27,720.00	0.00	P	Y
00217039	KAY KELLY	1/14/2013	1/17/2013	10,000.00	0.00	P	Y
00216919	CONSUMERS ENERGY	12/31/2012	1/17/2013	206,897.04	0.00	P	Y

00216920	CONSUMERS ENERGY	12/31/2012	1/17/2013	11,601.86	0.00	P	Y
00216921	CONSUMERS ENERGY	12/27/2013	1/17/2013	8,533.33	0.00	P	Y
00217014	SEAL-ALL WATERPROOFING CO., INC.	11/19/2012	1/17/2013	5,400.00	0.00	P	Y
00216895	SALEM HOUSING COMM DEVELOPMENT CORP	1/11/2013	1/17/2013	19,912.50	0.00	P	Y
00217050	CSX TRANSPORTATION INC	12/6/2012	1/17/2013	5,392.53	0.00	P	Y
00216954	JP MORGAN INVESTMENT ADVISORS	11/2/2012	1/17/2013	14,424.66	0.00	P	Y
00216999	OPERATION UNIFICATION INC AND	12/31/2012	1/17/2013	14,236.00	0.00	P	Y
00217004	OPERATION UNIFICATION INC AND	12/31/2012	1/17/2013	27,774.76	0.00	P	Y
00217006	OPERATION UNIFICATION INC AND	12/31/2012	1/17/2013	21,900.00	0.00	P	Y
00217007	OPERATION UNIFICATION INC AND	12/31/2012	1/17/2013	13,536.68	0.00	P	Y
00217008	OPERATION UNIFICATION INC	12/13/2012	1/17/2013	9,347.00	0.00	P	Y
00217009	OPERATION UNIFICATION INC	1/8/2013	1/17/2013	16,522.72	0.00	P	Y
00217010	OPERATION UNIFICATION INC AND	1/9/2013	1/17/2013	23,600.00	0.00	P	Y
00217011	OPERATION UNIFICATION INC AND	1/9/2013	1/17/2013	14,950.00	0.00	P	Y
00217012	OPERATION UNIFICATION INC AND	1/9/2013	1/17/2013	5,561.27	0.00	P	Y
00217013	OPERATION UNIFICATION INC AND	1/11/2013	1/17/2013	17,744.60	0.00	P	Y
00216896	BEDROCK BUILDING INC	6/29/2012	1/17/2013	11,860.00	0.00	P	Y
00216808	SARGENT'S TITLE COMPANY LLC	12/5/2012	1/17/2013	9,000.00	0.00	P	Y
00217064	MGT OF AMERICA INC	10/31/2012	1/17/2013	10,000.00	0.00	P	Y
00216992	GDC SMITH VILLAGE LLC	1/10/2013	1/17/2013	22,149.00	0.00	P	Y
00217066	BLUE CROSS BLUE SHIELD OF MICHIGAN	1/15/2013	1/17/2013	71,376.13	0.00	P	Y
00217065	AT & T SBS	1/4/2013	1/17/2013	20,260.83	0.00	P	Y
00217021	GLEN AND SUE CARPENTER	1/8/2013	1/17/2013	7,873.00	0.00	P	Y
00216503	MARATHON FLINT OIL COMPANY	12/19/2012	1/18/2013	6,634.42	0.00	P	Y
00216507	MARATHON FLINT OIL COMPANY	12/19/2012	1/18/2013	7,087.54	0.00	P	Y
00217235	BISHOP INTERN'L AIRPORT AUTHORITHY	1/15/2013	1/24/2013	26,515.23	0.00	P	Y
00217230	C S MOTT COMMUNITY COLLEGE	1/15/2013	1/24/2013	19,903.81	0.00	P	Y
00217090	CARRIER AND GABLE	12/19/2012	1/24/2013	8,892.00	0.00	P	Y
00217227	FLINT BOARD OF EDUCATION	1/15/2013	1/24/2013	76,230.81	0.00	P	Y
00217228	GENESEE INTERMEDIATE SCHOOL DIST	1/15/2013	1/24/2013	24,597.39	0.00	P	Y
00217233	MASS TRANSPORTATION AUTHORITY	1/15/2013	1/24/2013	47,966.09	0.00	P	Y
00217258	MUTUAL EYE CLAIM AUDIT INC	1/3/2013	1/24/2013	7,382.56	0.00	P	Y
00217185	POLYDYNE INC	1/16/2013	1/24/2013	6,356.00	0.00	P	Y
00217229	SWARTZ CREEK SCHOOL DISTRICT	1/15/2013	1/24/2013	22,347.09	0.00	P	Y
00217231	FLINT PUBLIC LIBRARY	1/15/2013	1/24/2013	47,556.31	0.00	P	Y
00217097	ALLIE BROTHERS INC	12/19/2012	1/24/2013	73,584.00	0.00	P	Y
00217226	GENESEE COUNTY TREASURER-MET	1/15/2013	1/24/2013	48,461.60	0.00	P	Y

00217232	GENESEE COUNTY TREASURER	1/15/2013	1/24/2013	189,891.81	0.00	P	Y
00217135	METRON-FARNIER, LLC	1/17/2013	1/24/2013	15,500.00	15,500.00	0	Y
00217214	SALEM HOUSING COMM DEVELOPMENT CORP	1/17/2013	1/24/2013	34,991.00	0.00	P	Y
00217114	STANDARD INSURANCE CO.	1/1/2013	1/24/2013	6,050.98	0.00	P	Y
00217254	OPERATION UNIFICATION INC	1/11/2013	1/24/2013	18,998.50	0.00	P	Y
00217255	OPERATION UNIFICATION INC	1/11/2013	1/24/2013	17,648.00	0.00	P	Y
00217256	OPERATION UNIFICATION INC	1/11/2013	1/24/2013	43,180.65	0.00	P	Y
00217115	MCLAREN HEALTH PLAN	1/17/2013	1/24/2013	49,979.88	0.00	P	Y
00217130	GDC SMITH VILLAGE LLC	1/10/2013	1/24/2013	334,713.21	0.00	P	Y
00217133	GDC SMITH VILLAGE LLC	1/10/2013	1/24/2013	322,632.98	0.00	P	Y
00217198	GDC SMITH VILLAGE LLC	1/22/2013	1/24/2013	8,199.00	0.00	P	Y
00217099	ABLE DEMOLITION INC	1/9/2013	1/24/2013	23,400.00	0.00	P	Y
00217243	STATE OF MICHIGAN	1/15/2013	1/24/2013	85,438.57	0.00	P	Y
00217222	STATE OF MICHIGAN	12/11/2012	1/24/2013	11,116.90	0.00	P	Y
00217136	ELECTRONIC RESTORATION SERVICES INC	1/17/2013	1/24/2013	20,000.00	0.00	P	Y
00216508	MARATHON FLINT OIL COMPANY	12/26/2012	1/25/2013	7,937.74	0.00	P	Y
00216510	MARATHON FLINT OIL COMPANY	12/26/2012	1/25/2013	5,771.98	0.00	P	Y
00217314	ICMA RETIREMENT CORP	1/22/2013	1/25/2013	18,212.47	0.00	P	Y
00217320	AFLAC	1/22/2013	1/25/2013	14,647.20	0.00	P	Y
00217322	EQUITABLE FINANCIAL SERVICES	1/22/2013	1/25/2013	14,722.53	0.00	P	Y
00217324	ICMA RETIREMENT TRUST	1/22/2013	1/25/2013	14,841.99	0.00	P	Y
00217327	AFSCME, LOCAL 1600	1/22/2013	1/25/2013	5,322.54	0.00	P	Y
00217364	MI STATE DISBURSEMENT UNIT	1/22/2013	1/25/2013	23,010.37	0.00	P	Y
00217337	CITY OF FLINT	1/22/2013	1/25/2013	9,695.43	0.00	P	Y
00217336	CITIGROUP GLOBAL MKTS INC.	1/22/2013	1/25/2013	5,788.10	0.00	P	Y
00217419	DISABILITY NETWORK	11/15/2012	1/31/2013	27,673.00	0.00	P	Y
00217420	DISABILITY NETWORK	12/4/2012	1/31/2013	24,535.00	0.00	P	Y
00217620	Treasurer, City of Flint	1/29/2013	1/31/2013	16,355.17	0.00	P	Y
00217640	Treasurer, City of Flint	1/29/2013	1/31/2013	5,567.44	0.00	P	Y
00217421	GENESEE COUNTY YOUTH CORP	12/13/2012	1/31/2013	11,834.89	0.00	P	Y
00217445	GOYETTE MECHANICAL COMPANY	11/27/2012	1/31/2013	16,750.00	0.00	P	Y
00217438	ROWE ENGINEERING INC	12/10/2012	1/31/2013	16,790.00	0.00	P	Y
00217803	XEROX CORP	1/20/2013	1/31/2013	10,703.28	0.00	P	Y
00217418	PVS TECHNOLOGIES INC	1/11/2013	1/31/2013	9,256.45	0.00	P	Y
00217132	SW CONTROLS INC	11/30/2012	1/31/2013	48,720.00	0.00	P	Y
00217305	ALLIE BROTHERS INC	12/14/2012	1/31/2013	8,591.31	0.00	P	Y
00217727	MOTOROLA INC	1/16/2013	1/31/2013	9,650.00	0.00	P	Y

00217306	W T STEVENS CONSTRUCTION, INC.	1/23/2013	1/31/2013	15,660.00	15,660.00	0	Y
00217391	DETROIT SALT CO	1/2/2013	1/31/2013	5,384.78	0.00	P	Y
00217392	DETROIT SALT CO	1/8/2013	1/31/2013	27,385.48	0.00	P	Y
00217427	BIG BROTHERS BIG SISTERS OF	12/19/2012	1/31/2013	9,226.64	0.00	P	Y
00217567	Consumers Energy	1/29/2013	1/31/2013	5,041.71	0.00	P	Y
00217574	Consumers Energy	1/29/2013	1/31/2013	21,527.71	0.00	P	Y
00217597	Consumers Energy	1/29/2013	1/31/2013	15,070.08	0.00	P	Y
00217606	Consumers Energy	1/29/2013	1/31/2013	18,013.85	0.00	P	Y
00217613	Consumers Energy	1/29/2013	1/31/2013	19,473.20	0.00	P	Y
00217614	Consumers Energy	1/29/2013	1/31/2013	104,175.17	0.00	P	Y
00217473	DSS CORPORATION	11/13/2012	1/31/2013	42,950.00	0.00	P	Y
00217379	DELL FINANCIAL SERVICES, LLC	1/15/2013	1/31/2013	12,652.79	0.00	P	Y
00217400	DELL FINANCIAL SERVICES, LLC	1/15/2013	1/31/2013	6,048.00	0.00	P	Y
00217721	DIPONIO CONTRACTING INC	1/4/2013	1/31/2013	292,595.60	0.00	P	Y
00217302	ABLE DEMOLITION INC	1/10/2013	1/31/2013	40,400.00	0.00	P	Y
00217304	ABLE DEMOLITION INC	1/18/2013	1/31/2013	27,300.00	0.00	P	Y
00217393	ABLE DEMOLITION INC	1/17/2013	1/31/2013	31,400.00	0.00	P	Y
00217482	RIGHTWAY REMEDIATION LLC	1/21/2013	1/31/2013	6,002.80	0.00	P	Y
00217802	AT & T	1/4/2013	1/31/2013	33,386.48	0.00	P	Y
00217552	DCC CONSTRUCTION INC	1/11/2013	1/31/2013	8,368.00	0.00	P	Y
00217553	SORENSEN GROSS CONSTRUCTION	1/11/2013	1/31/2013	18,654.00	0.00	P	Y
00217731	JOHN JOSEPH SKOLNIK JR TRUST 6-8-06	1/30/2013	1/31/2013	7,500.00	0.00	P	Y
00217542	DORT HWY ASSOC & HONIGMAN MILLER	1/23/2013	1/31/2013	22,366.43	0.00	P	Y
00217544	DIVERSIFIED PROPERTY SOLUTIONS LLC	1/25/2013	1/31/2013	72,451.49	0.00	P	Y
00217546	DIVERSIFIED PROPERTY SOLUTIONS, LLC	1/25/2013	1/31/2013	128,284.66	0.00	P	Y
00217549	DIVERSIFIED PROPERTY SOLUTIONS LLC	1/28/2013	1/31/2013	25,812.11	0.00	P	Y
# of Invoices:	9021 # Due: 79	TOTALS:		58,528,230.08	114,786.00		*

Section Separator (b) A list of each contract that the emergency financial manager awarded or approved with a cumulative value of $10,000 or more, the purpose of the contract, and the identity of the contractor.

Edward J. Kurtz
Emergency Financial Manager

Dayne Walling
Mayor

TO: Inez Brown, City Clerk
Jerry Ambrose, Finance Director
Pete Bade, Chief Legal Counsel

FROM: Edward J. Kurtz
Emergency Financial Manager

DATE: August 17, 2012

SUBJECT: Emergency Financial Manager's Agenda

The following Resolutions were approved by the Emergency Financial Manager for the week ending August 17, 2012.

1. 2012EFM001 – To Employ the Services of Michael K. Brown as City Administrator (Emergency Financial Manager)

2. 2012EFM002 – Concerning Protocol for Flint City Council Under Public Act 72 (Emergency Financial Manager)

3. 2012EFM003 – Authorizing City Administrator Michael K. Brown to Carry Out Actions Pursuant to Public Act 72 in the Absence of the Emergency Financial Manager Ed Kurtz (Emergency Financial Manager)

4. 2012EFM004 – To Employ the Services of Julie Sadler (Emergency Financial Manager)

5. 2012EFM005 – To Employ the Services of Robert Erlenbeck (Emergency Financial Manager)

6. 2012EFM006 – Authorizing City of Flint Officials to Enter into a $35,970.00 Contract with Lagarda Security for providing Security Services for the Smith Village Project commencing May 14, 2012 and ending September 14, 2012. Grant funds are from Neighborhood Stabilization Program (NSP2), and were allocated through MSHDA (DCED)

7. 2012EFM007 – To Enter Into a Contract with DiPonio Contracting, Inc. to Complete Phase 2 Infrastructure Improvements in an Amount not to Exceed $420,938.46 (DCED)

8. 2012EFM008 – Authorizing a PEG Agreement Between the City of Flint and the Flint Community Schools (Administration)

9. 2012EFM010 – Settlement of 68th District Court Matter Michigan Basic Property Insurance, Subrogee of Wanda Parham v City of Flint, Case NO. 12-1406-GC (Legal)

10. 2012EFM011 – Authorizing Settlement of Pre-Litigation Matter Concerning Leonardo Watkins (Legal)

11. 2012EFM012 – Authorizing Actuarial Services Company (Risk Management)

Maxine Murray, Agenda Clerk

Edward J. Kurtz, Emergency Financial Manager

Edward J. Kurtz
Emergency Financial Manager

Dayne Walling
Mayor

TO: Inez Brown, City Clerk
Jerry Ambrose, Finance Director
Pete Bade, Chief Legal Counsel

FROM: Edward J. Kurtz
Emergency Financial Manager

DATE: September 14, 2012

SUBJECT: Emergency Financial Manager's Agenda

The following Resolutions were approved by the Emergency Financial Manager for the period ending September 13, 2012.

1. 2012EFM033 – Licenses (Various) (City Clerk)

2. 2012EFM034 – Authorizing Payment for the State of Michigan Assigned Claims Facility Assessment and Fees (Risk Management)

3. 2012EFM035 – Proposal #530 – Metron-Farnier LLC – additional supply of ¾ " plastic no register water meters - $37,000.00 (Water Service Center)

4. 2012EFM0036 – Proposal #563 – Michener Auctioneer and Appraisal Services, Inc. – additional auctioneer services for a (6) month period of time – 5%of gross auction proceeds (Police and Purchasing)

5. 2012EFM037 – Proposal #835 – KNG Group, Inc./Diamond Cleaners – uniform and civilian dressware garment laundering services - $14,000.00 (Police and Fire Departments)

6. 2012EFM038 – Bid #12-124 – RBM Consulting LLC – maintenance agreement for voting equipment - $13,120.00 (City Clerk)

7. 2012EFM039 – Resolution to Amend the Contract with Houseal Lavigne for Preparation of the City of Flint's Master Plan to Add Step 3: Engagement/Community Outreach (Master Planning)

8. 2012EFM041 – Memorandum of Understanding for Demolition of two structures (Administration)

9. 2012EFM042 – Authorizing the Cancellation of Spending Authority and Revenue Recognition in the Amount of $233,006 in Community Development Block Grant Recovery Funds for Reprogramming Availability (DCED)

10. 2012EFM043 – Authorizing Change Order to Extend the Term of the Community Development Block Grant Recovery Fund Street Resurfacing Contract with the Department of Infrastructure and Development, Transportation Division until September 30, 2012 and Increase the Contract Amount by $100,000. (DCED)

11. 2012EFM044 – Bid #12-122 – Motorola – for 800 MHz Radio Consolettes for 911 Communications – (Police)

Maxine Murray

Maxine Murray, Agenda Clerk

Michael K. Brown for

Edward J. Kurtz, Emergency Financial Manager

Edward J. Kurtz
Emergency Financial Manager

Dayne Walling
Mayor

TO: Inez Brown, City Clerk
Jerry Ambrose, Finance Director
Pete Bade, Chief Legal Counsel

FROM: Edward J. Kurtz
Emergency Financial Manager

DATE: September 24, 2012

SUBJECT: Emergency Financial Manager's Agenda

The following Resolutions were approved by the Emergency Financial Manager for the period ending September 21, 2012.

1. 2012EFM009 – Authorizing Approval to Contract and pay the Professional Engineering Services for the Design of a 24" Water Main Replacement and Upgrades to Cedar Street Pump Station and Torrey Road Booster Station and DWRF Application Process (Utilities)

2. 2012EFM040 – Issuance of a Purchase Order for the Cost of Energy Used by Shared Traffic Signals on the State's Trunkline Highways (Traffic Engineer)

3. 2012EFM045 – William E. Walter, Inc. for Providing and Installing New HVAC Roof-Top Units at Brennan Center - $30,700.00 (P arks and Recreation)

4. 2012EFM046 – Bid #12-082 -Great Lakes Emergency Products, LLC - Concealable Body Armor - $$62,493.36 (Police)

5. 2012EFM047 – Bid #12-112 – McNaughton – McKay – Electric for PLC/HMI Equipment at 3rd Avenue Pump Station - $156,281.59 (WPC)

6. 2012EFM048 – Bid #12-132 – SRB Lawn Care – mowing and trimming of Parks, Triangles and Boulevards - $36,024.00 (Parks & Recreation)

7. 2012EFM049 – Business Licenses – various (City Clerk)

8. 2012EFM050 – Increase Contract Amount with Dzinebytes Web Development Professional Services (change order #2) in an amount not to exceed $3600.00 (Information Technology)

9. 2012EFM051 – Authorizing Entering into a Grant Agreement with Flint Township for Participation in a Multi-jurisdictional Edward Byrne Memorial Justice Assistance Grant (JAG) funded by the Department of Justice (Police)

10. 2012EFM052 – Authorizing Change Order to Extend the Term of the Community Development Block Grant Recovery Fund Contract with the Economic Development Corporation of the City of Flint for Oak Business Center Improvements Until September 30, 2012 and Increase the Contract by an Amount Not to Exceed $4,262.96 (DCED)

11. 2012EFM053 – Enter into First Change Order to Extend the Term of the Contract (10-038) with City of Flint Transportation now the Department of Development and Infrastructure In the Amount of $105,000.00 until September 28, 2012 for expansion of the City's comprehensive code enforcement program using Community Development Block Grant Recovery Funds (DCED)

12. 2012EFM054 – Execute a Contract Using CDBG-R Funding in the Amount of $222,500.00 with the Department of Infrastructure and Development, Development Division for Implementation of a Demolition Program until September 28, 2012 (DCED)

13. 2012EFM055 – Authorizing the Reduction of Spending Authority and Revenue Recognition in the Amount of $43,800 in the Administrative Allocation of Community Development Block Grant Recovery Funds (DCED) .

14. 2012EFM056 – Authorizing the Cancellation of Spending Authority and Revenue Recognition in the amount of $49,821.78 in Community Development Block Grant Recovery Funds for Reprogramming Availability (DCED)

Maxine Murray

Maxine Murray, Agenda Clerk

Edward J. Kurtz, Emergency Financial Manager

Edward J. Kurtz
Emergency Financial Manager

Dayne Walling
Mayor

TO: Inez Brown, City Clerk
Jerry Ambrose, Finance Director
Pete Bade, Chief Legal Counsel

FROM: Edward J. Kurtz
Emergency Financial Manager

DATE: October 4, 2012

SUBJECT: Emergency Financial Manager's Agenda

The following Resolutions were approved by the Emergency Financial Manager for the week ending October 4, 2012.

1. 2012EFM072 – Authorizing the Lake Agency for Smith Village Property Insurance (Risk Management)

2. 2012EFM073 – Enter into a Second Change Order with the City of Flint Transportation Department now the Department of Development and Infrastructure that Amends Contract Requirements in their Original Blight-Code Enforcement Agreement for the Community Development Block Grant Recovery Program (DCED)

3. 2012EFM074 – Budget Adjustment in the Amount of $9,843.06 (Finance/Customer Service Center)

4. 2012EFM075 – Bid #12-129 –New Systems Corp. – Servers, Software and Support - $89,500.00 (Police)

5. 2012EFM076 – Budget Amendment in the Amount of $45,000.00 – (City Clerk – Election Division)

6. 2012EFM077 – Authorizing Continuance of Consultation with Plante & Moran LLC for Project Initiation and Planning Assistance for New Financial Management Information System - $35,437.50 – (Information Technology Systems)

7. 2012EFM078 – Extending Agreement with Genesee County Land Bank Through September 30, 2012 and Authorizing Change Order #5 to Increase Amount of Burnash Wrecking Contract in the Amount of $70,288.23 (Demolition)

8. 2012EFM079 – Correcting Resolution No. 2012EM521 – Authorizing a $575,449.00 HOME Investment Partnerships Program Funded Contract with GDC Smith Village LLC for the Construction of Homes in Phase III of Smith Village Development Project (DCED)

9. 2012EFM080 – Authorizing City Officials to Accept Neighborhood Stabilization Grant 3 (NSP3) Grant in the Amount of $3,076,522.00 from the U.S. Department of Housing and Urban Development and Appropriate Funds to a Project Account Established for the NSP3 Program (DCED)

10. 2012EFM081 – Authorizing $13,686.25 to Community Improvement Group, LLC for Program Management Services for the Neighborhood Stabilization Program (NSP1) (DCED)

Maxine Murray, Agenda Clerk

Edward J. Kurtz, Emergency Financial Manager

Edward J. Kurtz
Emergency Financial Manager

Dayne Walling
Mayor

TO: Inez Brown, City Clerk
Jerry Ambrose, Finance Director
Pete Bade, Chief Legal Counsel

FROM: Edward J. Kurtz
Emergency Financial Manager

DATE: October 19, 2012

SUBJECT: Emergency Financial Manager's Agenda

The following Resolutions were approved by the Emergency Financial Manager for the week ending October 19, 2012.

1. 2012EFM101 – Proposal # 493 – Arnold Sales – janitorial supplies - $48,500.00 (various departments)

2. 2012EFM102 – Proposal # 836 – Michigan CAT – leaf loader/2-wheel loader equipment - $48,000.00 (Rubbish Collection Fund)

3. 2012EFM103 – Bid #12-130 – Detroit Salt Co. – bulk salt - $248,243.00 (Sewer Fund)

4. 2012EFM105 – Business Licenses (City Clerk)

5. 2012EFM106 – Ordinance to Amend the Code of the City of Flint, Michigan by amending Chapter 1, General Provisions, to add Section I-164, Police and Fire Funding (Administration)

6. 2012EFM108 – Authorizing Change Order No. 3 to Extend the Term of the Michigan Department of Environmental Quality Flint Area-wide site Assessment Project Grant until September 13, 2013 (DCED)

7. 2012EFM109 – Execute a Contract with the City's Department Infrastructure and Development, Development Division in the amount of $1,999,739.00 for management and implementation of a demolition program financed using Neighborhood Stabilization Program 3 Funding (NSP3) (DCED)

8. 2012EFM110 – To Cancel Spending Authority and Revenue Recognition in 2012-13 Community Development Block Grant CDBG Program Accounts in the Amount of $475,000 for Reprogramming Availability (DCED)

9. 2012EFM111 – Proposal # 767 – J & M Tree Service – tree trimming and removal - $50,000.00 (Parks and Recreation)

10. 2012EFM112 – To Accept Grant Funds from the Community Foundation of Greater Flint for Human Resources training in the Amount of $3,207.47 (Human Resources)

11. 2012EFM113 – To Accept 2013 Track One Grant Funds from the Genesee County Office of Senior Services for Senior Center Funding for Brennan and Hasselbring (Parks and Recreation)

12. 2012EFM114 – To Approve A Professional Service Agreement with Collin T. Stevens, in an amount not to exceed $13,689.00, to Serve as Van Driver for the Senior Centers (Parks and Recreation)

Maxine Murray, Agenda Clerk

Edward J. Kurtz, Emergency Financial Manager

Edward J. Kurtz
Emergency Financial Manager

Dayne Walling
Mayor

TO: Inez Brown, City Clerk
Jerry Ambrose, Finance Director
Pete Bade, Chief Legal Counsel

FROM: Edward J. Kurtz
Emergency Financial Manager

DATE: October 29, 2012

SUBJECT: Emergency Financial Manager's Agenda

The following Resolutions were approved by the Emergency Financial Manager for the week ending October 26, 2012.

1. 2012EFM104 – Authorizing Reallocation of Office Space Occupied by the Human Relations Commission (Administration)

2. 2012EFM107 – Budget Adjustment in the Amount of $1,638.81 for Overtime Expenses (Transportation/Street Maintenance)

3. 2012EFM115 – Budget Adjustment in the Amount of $16,000 for Overtime Expense (Fire Department)

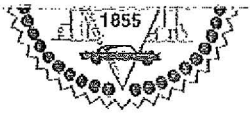
4. 2012EFM116 – Authorizing Payment to the Genesee County Drain Commissioner in the amount of $1,725.00 for 2012 City of Flint Special Assessment Drain Tax Roll (Utilities)

5. 2012EFM117 – Authorizing Change Order #1 to Increase the Contract with LaGarda Security (12-095), by $34,890.90 for the Purpose of Providing Security Services for the Smith Village Project Commencing on September 15, 2012 and Ending on November 30, 2012. Grant Funds are from the Neighborhood Stabilization Program (NSP2), and Were Allocated Through the Michigan State Housing Development Authority (MSHDA) (DCED)

Maxine Murray, Agenda Clerk

Edward J. Kurtz, Emergency Financial Manager

Edward J. Kurtz
Emergency Financial Manager



Dayne Walling
Mayor

TO: Inez Brown, City Clerk
Jerry Ambrose, Finance Director
Pete Bade, Chief Legal Counsel

FROM: Edward J. Kurtz
Emergency Financial Manager

DATE: November 6, 2012

SUBJECT: Emergency Financial Manager's Agenda

The following Resolutions were approved by the Emergency Financial Manager for the period ending November 6, 2012.

1. 2012EFM118 – To Enter into a Contract with Fowler Construction not to Exceed the Amount of $3,500.00 until December 15, 2015 for the Purpose of Making Emergency Repairs to 2206 North Stevenson using 2010-2011 Community Development Block Grant Funds (DCED)

2. 2012EFM119 – Budget Adjustment for Major Street Project (Transportation-Street Maintenance)

3. 2012EFM120 – Authorizing an $18,335.01 Contract with the City of Flint Development Division to Demolish Identified Properties within the Renewal Community Area (DCED)

4. 2012EFM121 – Authorizing Change Order No. 3 to the Environmental Site Assessment Contract with ASTI Environmental, Inc. to Extend the Term until September 13, 2013 (DCED)

5. 2012EFM122 – Authorizing Change Order No. 1 to Expand the Scope and Increase the Amount of the Smith Village Phase 1 Contract with GDC Smith Village LLC by $124,325. (DCED)

6. 2012EFM123—Authorizing an NSP2 Contract with Rowe Professional Services in the Amount of $51,520 for Construction Management Services for Smith Village Project (DCED)

7. 2012EFM124 – To Enter into a Contract With GDC Smith Village LLC., not to exceed $91,246.00 to Replace Stolen, Vandalized or Defective Items for the Smith Village Development Project (DCED)

8. 2012EFM126 – To Approve the Amended Code of Conduct Policy and Authorize Immediate Implementation (Human Resources and Labor Relations)

9. 2012EFM127 – To Motorola, Inc. for Installing Motorola 800 MHz Radios in Police Patrol Vehicles (Police)

10. 2012EFM128 – Temporary (180 Days) Moratorium on Construction, Substitution, Placement or Installation of any Dynamic Display Sign Within the City of Flint (Administration)

11. 2012EFM129 – Authorizing Change Order to the Professional Services Agreement (PSA) Between the City of Flint and Brad Hill (Utilities)

12. 2012EFM130 – Budget Adjustment to Move Funds from the Public Improvement Fund General Government Reserve Capital Expense Contingencies Account to the Public Improvement Fund Facilities Maintenance Building Additions and Improvements Account in the amount of $16,750.00 (Parks and Recreation)

13. 2012EFM131 – To Motorola Inc., for Installing Motorola 800 MHz Radios in Various Fire Apparatus (Fire)

Maxine Murray, Agenda Clerk

Edward J. Kurtz, Emergency Financial Manager

Edward J. Kurtz
Emergency Financial Manager

Dayne Walling
Mayor

TO: Inez Brown, City Clerk
Jerry Ambrose, Finance Director
Pete Bade, Chief Legal Counsel

FROM: Edward J. Kurtz
Emergency Financial Manager

DATE: November 12, 2012

SUBJECT: Emergency Financial Manager's Agenda

The following Resolutions were approved by the Emergency Financial Manager for the week ending November 9, 2012.

1. 2012EFM125 – Authorizing Entering into a Contract with the Lake Agency to Provide Property, Inland Marine, Contractors Equipment and Crime Insurance (Risk Management)

2. 2012EFM132 – Budget Adjustment in the Amount of $9,650.00 for Expense Appropriation (Fire)

3. 2012EFM133 – Proposal #817 – Test America – environmental monitoring service – (WPC)

4. 2012EFM134 – Enter into a Second Change Order with Metro Community Development, Inc. to Extend the Contract Term until February 13, 2012 and to Amend the Scope of Services to their Original Home buyer Counseling Agreement for the Neighborhood Stabilization Program 1 in order for Home Buyers to Continue Receiving Housing Counseling, a Requirement to Purchase a Home in NSP-1 Areas (DCED)

5. 2012EFM135 – Resolution to Seal – All Waterproofing for Westside Reservoir Joint Sealing Services (Utilities)

6. 2012EFM136 – Authorizing Change Order No. 1 to the GDC Smith Village Phase II Developer Agreement to Amend Exhibit A (DCED)

7. 2012EFM137 – Bid #12-106 – Cloverdale Equipment Company – Commercial Telehandler (WPC)

8. 2012EFM138 – Bid #12-127 – Great Lakes Emergency Products, LLC – upfitting for police patrol vehicles (Police)

9. 2012EFM139 – Bid #12-128 – Able Demolition for Demolition of Various Structures (BSI, Blight and Demolition)

10. 2012EFM140 – Bid #12-128 – Bartman Exacavating for Demolition of Various Structures (BSI, Blight and Demolition)

11. 2012EFM141— Bid #12-128 – Fick Excavating for Demolition of Various Structures (BSI, Blight and Demolition)

12. 2012EFM142 – Bid #12-128 – Sorensen Gross for Demolition of Various Structures (BSI, Blight and Demolition)

13. 2012EFM143 – Bid #12-128 - Zito Construction for Demolition of Various Structures (BSI, Blight and Demolition)

14. 2012EFM145 – Budget Adjustment - 911 Department Equipment (911 Department)

15. 2012EFM146 – To Reprogram Community Development Block Grant Funds in the Amount of $148,465.00 and Make Said Funds Available in the City's BS &A System (DCED)

16. 2012EFM147 – To Cancel Resolution #2012EM467 Adopted on August 1, 2012 and Make Said Funds Available in the City's BS & A System (DCED)

17. 2012EFM148 – To Enter into a First Change Order to Extend the Term of Contract 11-164 with EMAR Construction in the Amount of $96,962.00 Until December 30, 2012 for the Purpose of Making Emergency Repairs (Roofing, Electrical, Plumbing and HVAC) to Homeowner Units using 2010-2011 Community Development Block Grant Funds (DCED)

Maxine Murray

Maxine Murray, Agenda Clerk

Edward J. Kurtz, Emergency Financial Manager

Edward J. Kurtz
Emergency Financial Manager

Dayne Walling
Mayor

TO: Inez Brown, City Clerk
Jerry Ambrose, Finance Director
Pete Bade, Chief Legal Counsel

FROM: Edward J. Kurtz
Emergency Financial Manager

DATE: November 19, 2012

SUBJECT: Emergency Financial Manager's Agenda

The following Resolutions were approved by the Emergency Financial Manager for the week ending November 16, 2012.

1. 2012EFM144 – To Upgrade the Recording System for Police, Fire and 911System in Response to 800 MHz Radio System Transition (Police, Fire, 911)

2. 2012EFM149 – Authorizing the Police and Fire Protection Millage Rate of 6.0 Mills to be Levied on the Taxable Valuation of all Real and Personal Property Located in the City of Flint (Administration)

3. 2012EFM150 – Authorizing Entering into an Agreement with Metro Community Development to Coordinate Public Safety initiatives for the Flint 21st Century Community Policing Grant (Police)

4. 2012EFM151 – Authorizing Entering into a Grant Agreement with Charter Twp. Of Montrose for Participation in a Multi-Jurisdictional Police Narcotics Investigation Program funded by the State of Michigan Dept of Budget, Office of Drug Control Policy (Police)

5. 2012EFM152 – Authorizing the Acceptance of Donations from Multiple Vendors for the Purpose of Acquiring T-3 Mobility Vehicle (Police)

6. 2012EFM153 – Public Improvements Fund Budget Adjustment in the Amount of $9,583.20 (Parks & Recreation)

7. 2012EFM154 – Authorization to Enter Into an Equipment Lease Agreement with the Genesee County Land Bank (Infrastructure and Development – Fleet)

8. 2012EFM155 – Authorizing Change Order to the Current Contract with No Mo Tears for Mowing Services (Parks and Recreation)

9. 2012EFM156 – Authorizing a Change Order to the Current Contract with the International Academy of Flint for Mowing Services (Parks and Recreation)

Maxine Murray

Maxine Murray, Agenda Clerk

Edward J. Kurtz, Emergency Financial Manager

Edward J. Kurtz
Emergency Financial Manager

Dayne Walling
Mayor

TO: Inez Brown, City Clerk
Jerry Ambrose, Finance Director
Pete Bade, Chief Legal Counsel

FROM: Edward J. Kurtz
Emergency Financial Manager

DATE: November 26, 2012

SUBJECT: Emergency Financial Manager's Agenda

The following Resolutions were approved by the Emergency Financial Manager for the week ending November 23, 2012.

1. 2012EFM157 – Authorizing City of Flint Officials to Enter into a Pricing Addendum to Master Agreement with AT&T (Information Technology Systems)

2. 2012EFM158 – Authorizing Payment to the Michigan Department of Environmental Quality Bureau for Michigan Public Water Supply Annual Fee (Utilities)

3. 2012EFM159 – Bid # 12-119 - To Remove Old and Install (2) New Bar Screens at 3rd Avenue Pump Station for Water Pollution Control (WPC)

4. 2012EFM160 – Bid #12-077 – Zito Construction Services – Demolition of Various Structures (Blight & Demolition)

5. 2012EFM161 – Bid # 12-077 – W.T. Stevens Construction – Demolition of Various Structures (Blight & Demolition)

6. 2012EFM162 – Authorizing Gabriel, Roeder, Smith and Company for Retirement Actuarial Services at a Cost not to Exceed $9,000.00 (Risk Management)

7. 2012EFM163 – Authorization to engage Nyhart to Provide Other Post Employment Benefits Services at a Cost not to exceed $1,200.00 (Risk Management)

8. 2012EFM165 – Liquor License for 4041 S. Saginaw Street (City Clerk)

9. 2012EFM166 – Business License Renewal Applications (City Clerk)

Maxine Murray, Agenda Clerk

Edward J. Kurtz, Emergency Financial Manager

Edward J. Kurtz
Emergency Financial Manager

Dayne Walling
Mayor

TO: Inez Brown, City Clerk
Jerry Ambrose, Finance Director
Pete Bade, Chief Legal Counsel

FROM: Edward J. Kurtz
Emergency Financial Manager

DATE: December 3, 2012

SUBJECT: Emergency Financial Manager's Agenda

The following Resolutions were approved by the Emergency Financial Manager for the week ending November 30, 2012.

1. 2012EFM104.1 – Authorizing Reallocation of Office Space Occupied by the Human Relations Commission (Administration)

2. 2012EFM164 – Authorizing Change Order #10 to the Master Engineering Services Contract with Rowe Professional Services Company (Infrastructure and Development)

3. 2012EFM167 – Bid # 12-132 - Great Lakes Computer – Juniper Switches and Firewall Migration - $20,348.00 (Police)

4. 2012EFM168 – Authorizing Submission of A Grant Application for Brownfields Area-Wide Planning Grant to the Environmental Protection Agency (EPA) Up to $200,000 for the City Owned Parcels in the Area Know as "Chevy In The Hole" and Surrounding Brownfields Sites (Master Planning)

5. 2012EFM169 – Bid # 12-136 – AIS Construction – Excavator - $68,415.00 (Water Service Center)

6. 2012EFM170 – Authorizing Change Order #5 Modifying Contractual Requirements in the Development Agreement (10-003) between the City of Flint and Operation Unification, Inc. for the Purpose of Redevelopment of Abandoned, Mortgage or Tax Foreclosed Properties using Neighborhood Stabilization Program 1 Funding (DCED)

Maxine Murray

Maxine Murray, Agenda Clerk

Edward J. Kurtz, Emergency Financial Manager

Edward J. Kurtz
Emergency Financial Manager

Dayne Walling
Mayor

TO: Inez Brown, City Clerk
Jerry Ambrose, Finance Director
Pete Bade, Chief Legal Counsel

FROM: Edward J. Kurtz
Emergency Financial Manager

DATE: December 17, 2012

SUBJECT: Emergency Financial Manager's Agenda

The following Resolutions were approved by the Emergency Financial Manager for the week ending December 14, 2012.

1. 2012EFM180 – Authorizing Settlement of the Worker's Compensation Claim of Dwayne Sumpter (Law)

2. 2012EFM181 – Authorizing Settlement of the Worker's Compensation Claim of David Sisco (Law)

3. 2012EFM182 – Objecting to the Transfer of Tax Reverted Property from Genesee County to the City of Flint (Administration)

4. 2012EFM183 – Reprogram Community Development Block Grant Public Service Funds in the Amount of $233,876.97 and Make Said Funds Available in the City's BS&A System (DCED)

5. 2012EFM184 – Enter into a Change Order with Metro Community Development, Inc. to Extend the Contract (08-071) Term until January 31, 2012 for the Tenet Based Rental Assistance (TBRA) Program (DCED)

6. 2012EFM185 – Authorizing Change Order #1 to Cancel Spending Authority for a Contract (10-026) to Community Improvement Group, LLC., financed using Neighborhood Stabilization Program Round I Funding (NSP1) (DCED)

7. 2012EFM186 – Authorizing Change Order #1 to Cancel Spending Authority for a Contract (10-038) to Spartan Akers Corporation Financed using Neighborhood Stabilization Program Round 1 Funding (NSP1) (DCED)

8. 2012EFM187 – Recognize Neighborhood Stabilization Program (NSP1) Funds Re-deposited in the Disaster Recovery Grant Reporting System (DRGR) as Authorized by Resolution 2012EFM093 (DCED)

9. 2012EFM188 – Authorizing Change Order #1 to Cancel Spending Authority for a Contract (09-225) to Advanced Solutions Group, LLC., financed using Neighborhood Stabilization Program Round 1 Funding (NSP1) DCED

10. 2012EFM189– Authorizing Change Order #1 too Cancel Spending Authority for a Contract (10-022) to ASTI Environmental financed using Neighborhood Stabilization Program Round 1 Funding (NSP1) (DCED)

11. 2012EFM190 – Authorizing Change Order #4 that Cancels Spending Authority for a Development Agreement with Salem Housing Community Development Corporation for the purpose of Redevelopment of abandoned, mortgage or tax foreclosed properties using Neighborhood Stabilization Program 1 Funding (DCED

12. 2012EFM191 – Authorizing Change Order #1 to Cancel Spending Authority for a Contract (10-036) to Circle of Love Community Development Corporation financed using Neighborhood Stabilization Program Round 1 Funding (NSP1) DCED

13. 2012EFM192 – Bid #12-138 – Red Wing Shoes – employee safety shoes - $16,413.00 (Various Departments)

14. 2012EFM193 – Bid #12-139 – State of Michigan – national pollutant discharge elimination system permit fee - $20,000.00 (Sewer Fund)

15. 2012EFM194 – Bid #12-140 – Orbitbid.com – on-line Auction Services (Administration)

16. 2012EFM195 – Proposal #798 – Ace Asphalt – cold patch material - $16,000.00 (Major and Local Street Fund)

17. 2012EFM196 – Suspending Part of the Master Fee Schedule as Adopted July 18, 2012 (Administration

18. 2012EFM197 – Authorizing Change Order #4 to Cancel Spending Authority to a Development Agreement (09-216) for Salem Housing Community Development Corporation (DCED)

19. 2012EFM198 - Authorizing Change Order #5 to Reprogram an additional $97,722.00 to a Development agreement (090-217) for Salem Housing Community Development Corporation for a revised Contact of $303,997.00 (DCED)

20. 2012EFM199 – Authorizing the Cancellation of Spending Authority and Revenue Recognition in the Amount of $880,441.50 from DiPonio Contracting, Inc. Contract Funded with Water and Sewer Funds for Smith Village Infrastructure (DCED)

21. 2012EFM202 – Reprogram Community Development Block Grant Funds in the Amount of $462,920.85 and Make Said Funds Available in the City's BS&A System (DCED)

22. 2012EFM203 – Authorizing Change Order #1 to the NSP2 Smith Village Phase II Infrastructure Contract in the Amount of $702,899.13 to Extend the Contract Term until February 10, 2013, and change the Scope of the Contract to Include the Construction of Water and Sewer Utilities and become Effective October 26, 2012(DCED)

23. 2012EFM204 – Authorizing Change Order #1 to the $420,938.46 CDBG Smith Village Phase II Infrastructure Contract with DiPonio Contracting, Inc. to extend the contract term until November 30, 2013 and Change the Scope of the Contract (DCED)

24. 2012EFM205 – Ordinance to Amend the Code of the City of Flint by Amending Chapter 46, Utilities, to add Section 46-52.4, Indigent Water Fund (Law)

25. 2012EFM206 – Ordinance to Amend the Flint City Code of Ordinances, by Amending Chapter 2, Administration, Article I, In General, by Amending Sections 2-3.2, City-Owned Vehicles – Use Generally, Section 2-3.4, Use of City Vehicles, and Section 2-3.5, City Buildings – Allocation of Space. (Law)

26. 2012EFM207 – An Ordinance to Amend the Flint City Code of Ordinances by Amending Chapter 31, General Offenses, Article I, In General, to add Section 31-27.1.2,Personal Use Exemption for Possession and Use of Marihuana and Marihuana Paraphernalia (Law)

27. 2012EFM208 – Approving the Appointment of Ms. Tracy B. Atkinson to the Position of Chief Department of Community and Economic Development Officer (Community Development)

28. 2012EFM209 – Approving Budget Amendment to Transfer Appropriated Funds from Line Item 100-266.100-727.000 to Line Item 100-266.100-702.000 and Line Item 100-266.100-719.100 (Law)

Maxine Murray, Agenda Clerk

Edward J. Kurtz, Emergency Financial Manager

Edward J. Kurtz
Emergency Financial Manager

Dayne Walling
Mayor

TO: Inez Brown, City Clerk
Jerry Ambrose, Finance Director
Pete Bade, Chief Legal Counsel

FROM: Edward J. Kurtz
Emergency Financial Manager

DATE: January 14, 2013

SUBJECT: Emergency Financial Manager's Agenda

The following Resolutions were approved by the Emergency Financial Manager for the period ending January 11, 2013:

1. 2012EFM200 – Authorizing a Development Agreement for $248,171.91 to Operation Unification using CDBG Funds for Redevelopment of Twelve (12) Homes in NSP1 Areas (DCED)

2. 2012EFM201 – Authorizing a Development Agreement for $100,000.00 to Salem Housing Community Development Corporation using CDBG Funds for Redevelopment of two (2) Homes in NSP1 Areas (DCED)

3. 2013EFM001 – Bid #12-117 – A-Plus Abestos Abatement – asbestos abatement services (Building Inspection)

4. 2013EFM002 – Authorizing Submission of a Grant Application for a $50,000 Grant to the Ruth Mott Foundation for General Support of the Comprehensive Master Plan (Planning and Zoning)

5. 2013EFM003 – Accept an Increase and Extension of the Charles Stewart Mott Foundation 21st Century Community Policing Grant (Police)

6. 2013EFM004 – Authorizing Change Order No. Three to Increase Global Environmental NSP2 Funded Contract (12-012) by $1,164 and Amend the Scope to include Investigative Soils Sampling and other Environmental Services Within the Smith Village Development Project Area (DCED)

7. 2013EFM005 – Appointing William Journey to the Board of Review (Administration)

8. 2013EFM006 – Appointing Louis Allan Griggs to the Board of Review (Administration)

9. 2013EFM007 – Appointing Carolyn Hawkins to the Board of Review (Administration)

10. 2013EFM008 – Appointing Valorie Leslie to the Board of Review (Administration)

11. 2013EFM009 – Reappointing Eugene Campbell to the Board of Review (Administration)

12. 2013EFM010 – Reappointing Chris Delmorone to the Board of Review (Administration)

13. 2013EFM011 – Authorizing Application to Michigan Economic Development Corporation (MEDC) for a City of Flint Designation as a SmartZone (DCED)

14. 2013EFM012 – Business Licenses (City Clerk)

15. 2013EFM013 – Bid #11-120 – GCR Tire Center – tires and repair services (Fleet/Central Garage)

16. 2013EFM014 – To Enter into a Sixth Change Order to Extend the Term of Current Contract Number 10-003 with Operation Unification, to Acquire, Rehabilitate and Sell, for the Neighborhood Stabilization Program (NSP) Area 3 until March 18, 2013 and Increase the Contract Amount by $233,472.25 (DCED)

17. 2013EFM015 – To Enter into a Contract with YWCA of Greater Flint for $15,865.00 to Implement a Victim Advocacy Program for the Residents of the City of Flint (DCED)

18. 2013EFM017 – To Enter into a Sixth Change Order to Extend the Term of Contract (11-040) with Operation Unification in the Amount of $77,488.45 until February 28, 2013 for the Purpose of Making Emergency Repairs to Homeowner Units Using 2010-2011 Community Development Block Grant Funds (DCED)

19. 2013EFM018 – To Enter into a Sixth Change Order to Extend Term of Current Contract Number 09-217 with Salem Housing CDC to Acquire, Rehabilitate and sell for the Neighborhood Stabilization Program (NSP) Area 1 Until March 18, 2013 (DCED)

20. 2013EFM019 – Enter into a First Change Order to Extend the Term of Contract (11-157) with Catholic Charities in the Amount of $12,100 until June 30, 2013 to Continue Operational Services at the Holy Angels Warming Center using 2011-2012 Emergency Solutions Grant (DCED)

21. 2013EFM020 – Enter into a Second Change Order to Extend the Term of Contract (11-164) EMAR Construction in the Amount of $96,962.00 until February 28, 2013 for the Purpose of Making Emergency Repairs to Homeowner Units Using 2010-2011 Community Development Block Grant Funds (DCED)

22. 2013EFM021 – Enter into a Fourth Change Order to Extend the Term of Contract (11-084) with EMAR Construction in the Amount of $88,788.00 until February 28, 2013 for the Purpose of Making Emergency Repairs to Homeowner Units using 2010-2011 Community Development Block Grant Funds (DCED)

23. 2013EFM022 – An Ordinance to Amend Chapter 31, Article I, of the Flint City Code of Ordinances by Repealing Section 31-14, Begging or Panhandling (Administration)

24. 2013EFM023 – An Ordinance to Amend Chapter 31, Article I, of the Flint City Code of Ordinances by Providing for Enforcement of Section 257.625(1)(c) of the Michigan Vehicle Code Act 300 of 1949, Commonly Known as "Super Drunk Driving", by the addition of Section 31-70, Misdemeanor Violations of the Michigan Vehicle Code (Administration)

25. 2013EFM024 – An Ordinance to Amend Chapter 31, General Offenses, Article I, In General, of the Code of the City of Flint by Amending Section 31-12, Disorderly Conduct and Disorderly Persons (Administration)

26. 2013EFM025 – Bid #13-002 – State of Michigan - 2010 tax records - $11,116.00 (Treasurer – Income Tax)

27. 2013EFM026 – Bid #12-135 – Purvis & Foster, Inc. – boiler retubing – $19,420.00 (Utilities)

28. 2013EFM027 – Bid #13-003 – Genesys – employee screening services - $16,000.00 (Human Resources)

Maxine Murray

Maxine Murray, Agenda Clerk

Edward J. Kurtz mkb

Edward J. Kurtz, Emergency Financial Manager

Edward J. Kurtz
Emergency Financial Manager

Dayne Walling
Mayor

TO: Inez Brown, City Clerk
Jerry Ambrose, Finance Director
Pete Bade, Chief Legal Counsel

FROM: Edward J. Kurtz
Emergency Financial Manager

DATE: January 24, 2013

SUBJECT: Emergency Financial Manager's Agenda

The following Resolutions were approved by the Emergency Financial Manager for the period ending January 25, 2013.

1. 2013EFM016 – Cancel Spending Authority with the City of Flint Law Department for the Victim Advocacy program and return funds to the CDBG Uncommitted account (DCED)

2. 2013EFM028 – Authorizing Change Order #2 to Cancel Spending Authority for a Contract (10-036) to Circle of Love Community Development Corporation Financed using Neighborhood Stabilization Program Round 1 Funding (NSP) DCED

3. 2013EFM029 – Approving Submission of a Michigan Department of Transportation FY2014 Specialized Services Operating Assistance Application for Hasselbring Senior Center (Parks & Recreation)

4. 2013EFM030 – Delegation of Retail Fireworks Inspections (Fire)

5. 2013EFM031 – Authorization to Enter into MDOT Contract #10-5696, Job #108785, for the Purpose of Acquiring Abandoned Grand Traverse Railroad Right-of-Way (Infrastructure and Development)

6. 2013EFM032 – Authorizing Partial Relinquishment of Easement (Administration)

7. 2013EFM033 – Authorizing Contract for $25,000 to Mission of Peace Community Development Corporation using CDBG funds for Housing Counseling Services (DCED)

8. 2013EFM034 – Authorizing Entering Into a Grant Agreement with Flint Township for Participation in a Multi-jurisdictional Edward Byrne Memorial Justice Assistance Grant (JAG) funded by the Department of Justice (Police)

9. 2013EFM035 – Authorizing Blue Cross Blue Shield of Michigan (Risk Management)

10. 2013EFM036 – Adopting a City of Flint title VI Non-Discrimination Plan (Administration)

11. 2013EFM037 – Authorizing an Inter-Jurisdictional Agreement with Genesee County Water and Waste Services (WPC)

12. 2013EFM038 – Approving Eighth Amended and Restated Contract of Lease (Revenue Rental) and Other Documents and Authorizing and Directing the Director of Finance to Make Application to the Treasurer of the State of Michigan for Prior Approval of the Issuance of Bonds (Administration)

13. 2013EFM040 – Approving and Adopting an Amended Master Fee Schedule (Administration)

14. 2013EFM041 – Authorizing Entering into a Change Order Between the City of Flint and Mott Park Public Golf Course Association (Parks and Recreation)

Maxine Murray

Maxine Murray, Agenda Clerk

Edward J. Kurtz, Emergency Financial Manager

Edward J. Kurtz
Emergency Financial Manager

Dayne Walling
Mayor

TO: Inez Brown, City Clerk
Jerry Ambrose, Finance Director
Pete Bade, Chief Legal Counsel

FROM: Edward J. Kurtz
Emergency Financial Manager

DATE: February 4, 2013

SUBJECT: Emergency Financial Manager's Agenda

The following Resolutions were approved by the Emergency Financial Manager for the week ending February 1, 2013.

1. 2013EFM042 – Authorizing Entering into a Grant Agreement with the Fund for Cities of Service, Inc. Recognizing and Appropriating Grant Funds in the Amount of $25,000.00 for the Cities of Service Impact Volunteering Fund Grant (Police)

2. 2013EFM043 – Authorizing Payment to the United States Department of the Interior Geological Survey to Share the Cost of Operating Gaging Stations (Utilities)

3. 2013EFM044 – To Execute Change Order #4 to Extend an Original $606,890.22 HOME Contract (F09022) for Salem housing Community Development Corporation until June 30 2013 (DCED)

4. 2013EFM045 – To Execute Change Order #3 to Extend the Time Frame of a HOME Contract (F09095) for Flint Neighborhood and Investment Preservation Project, Inc. (Flint NIPP) until June 30, 2013 (DCED)

5. 2013EFM046 – To Execute Change Order #3 to Extend the time Frame of HOME Contract (F07078) for Flint Neighborhood Improvement and Preservation Project, Inc. (Flint NIPP) until June 30, 2013 (DCED)

6. 2013EFM047 – To Execute Change Order #3 to Extend the Time Frame of a HOME Contract (F07075) for Salem Housing Community Development Corporation Until June 30, 2013 (DCED)

7. 2013EFM048 – To Execute Change Order #3 to Extend the Time Frame of a HOME Contract (F09097) for Salem Housing Community Development Corporation until June 30, 2013 (DCED)

8. 2013EFM049 – To Execute Change Order #2 to Extend the Time Frame of a HOME Contract (F08059) for Flint Neighborhood and Investment Preservation Project, Inc. (Flint NIPP) until June 30, 2013 (DCED)

9. 2013EFM050 – Bid #11-134 – ASK Services, Inc. – title search services - $5,000.00 (Development – BSI)

10. 2013EFM051 – Bid #13-009 – Advanced Wireless Telecommunications – portable radios (10) - $$23,811.00 (Police)

11. 2013EFM052 – Bid #13-010 – Mission 1 Communications/ERS Towers – for installation of tower and dish antenna at 911 - $18,000.00 (Police)

12. 2013EFM053 – Business License (Auctioneer) (City Clerk)

13. 2013EFM054 – Bid #13-001 – Titus – for "B" grit bucket elevator and conveyor re-build - $158,000.00 (WPC-Sewer)

14. 2013EFM055 – Authorizing Change Order #11 to the Master Engineering Services Contract with Rowe Professional Services Company for Services Related to the Chevy-in-the-Hole (Infrastructure and Development)

15. 2013EFM056 – Authorizing Change Order #2 to Increase the GDC Smith Village Phase I Contract Amount by $12,315.00, Increase the Developer Fee, Change the Benchmarks by which the Developer Fee is Paid and Extend the Contract Term until February 10, 2014 (DCED)

16. 2013EFM057 – Authorizing Change Order #2 to the GDC Smith Village Phase II Contract to Change the Benchmarks by which the Developer Fee is Paid and Extend the Contract Term until February 10, 2014 (DCED)

17. 2012EFM058 – Proposal #651 – Citizen's Disposal - landfill disposal services - $225,000.00 (Waste Collection)

18. 2012EFM059 – Authorizing Change Order #4 to Increase Global Environmental's NSP2 Funded Contract (12-012) by $5,110.00 for Additional Environmental Services within the Smith Village Development Project Area (DCED)

Maxine Murray

Maxine Murray, Agenda Clerk

Edward J. Kurtz, Emergency Financial Manager

Section Separator (c) A description of each loan sought, approved, or disapproved during the reporting period that has a cumulative value of $10,000 or more and the proposed use of the funds.

The City has been actively pursuing a vendor for a Procurement Card program. As of this date, the City has secured PNC Bank for the program and is in the process of implementation.

Section Separator (d) A description of any position created or any vacancy in a permanent position filled by the appointing authority.

Human Resources and Labor Relations
PA72 Report - Personnel

	Vacancies Filled	Eliminated Positions	Positions – Employees Laid Off
August	• Police Sergeants – 9 • Street Maintenance Admin Support Tech – 1 • Finance Admin. Asst. (contract) – 1 • Risk & Benefits Admin (contract) – 1 • School Crossing Guards (Interim) - 2		
September	• Police Officer (rehire) - 1 • School Crossing Guards (Interim) – 47 • Communication Specialist I – 3		• Waste Collector
October	• Principal Clerk Typist – Police Dept – 1 • Accounting Admin Support Tech Traffic – 1 • Customer Service Clerk (Interim) – 1 • Deputy Court Clerk II – 1 • Election Workers – 76 • Board of Review (Elections) - 4		• Records Clerk Teller (68th D.C.) - 1
November	• Firefighter (SAFER Grant) – 1 • Retirement Specialist (Interim) - 3	• Inventory Control Specialist – 1	
December	• School Crossing Guards (Interim) – 2 • Retirement Specialist (Interim) – 1 • City Council (1st Ward) – 1 • Mayor's Office Receptionist – 1 • IT Specialist – 4 • Software Systems Admin – 1 • Finance Admin Asst. (Permanent) - 1		• Casual Skilled Laborer (Interim) - 4
January	• Street Operator Maintainer – 2		

CITY OF FLINT
Position Description

Class Title:	Sergeant	Job Code Number:	23-P-005
Established:	December 18, 1973	Bargaining Unit:	FPSA

GENERAL STATEMENT OF DUTIES: Supervises the work or activities of a squad of police officers and/or related police personnel and inspects work performed; performs investigative work; performs related work as required.

SUPERVISION RECEIVED: Works under the supervision of a command officer who reviews work for conformance to establish departmental policies and procedures.

SUPERVISION EXERCISED: Exercises working supervision over a number of police officers and other assigned employees.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

1. Supervises activities of a police patrol on an assigned shift including police officers and others. Directs and instructs officers in their performance of their duties. Makes necessary inspections of employees on this shift; evaluates quality of performance of persons under his supervision; reviews activities and reports of subordinates; issues specific instructions and assignments at scene of activity. Inspects equipment of police officer on regular and special assignment.
2. Supervises a traffic platoon including an accident investigation squad, enforcement and school traffic officer groups; investigates and assures the correction of traffic complaints. Performs traffic control work, including school traffic program, and analyzes accident and violation data by mapping the location of same.
3. Conducts investigations, supervises, directs as assigned, a detail or squad of investigators or officers engaged in the investigation, control, detection, and elimination of crime. Interviews complainants, witnesses, suspects, and others; gathers available evidence, analyzes related circumstances and makes detailed written reports embodying results of such investigations; obtains warrants, makes arrests; serves extradition papers; presents prisoners for arraignment; conducts polygraph examinations; prepares evidence for presentation in court and appears in court to present such evidence.
4. Receives and is responsible for bond money.
5. Assists in conducting and developing training programs, police firearms and other related programs. Instructs in public, parochial and police academy schools; attends schools of instruction in detective science and studies up-to-date information on criminal investigation.
6. Supervises or assists in grant programs; maintains records and compiles reports as required.
7. Assists in the development of programs, makes public speeches and arranges public tours in the interest of crime prevention and to improve communications and understanding between the Police Department and the various publics in the community. Assists line officers in developing speeches and operational techniques to further community relations. Assists in the preparation of the Bureau's annual budget and in the recruitment of police personnel.
8. Conducts investigations on complaints against officers and makes report to command officer. Investigates police personnel in regards to proper conduct. May serve on trial board.
9. Maintains and supervises the maintenance of modus operandi and criminal photograph files in such categories as burglary, arson, vice, hold-up, shoplifting, and narcotics and other records assignment dictates.
10. Operates complicated technical devices in criminal investigation such as: Polygraph, photographic equipment, computer terminals, drafting equipment and utilizing electronic devices; attends autopsies as required.
11. Investigates the homes and living conditions of juveniles when deemed advisable. Investigates, surveys, and processes all types of liquor and other license applications.

ESSENTIAL DUTIES AND RESPONSIBILITIES: (con't)

12. Serves and or supervises the serving of summonses, subpoenas and other legal papers.
13. Occasionally acts as senior officer in charge due to absence of the regular command officer.
14. May act as Cost Center Manager or assist in the Budget process by providing information and reports as required.
15. May assist in the validation of selection procedures for police position, and in conducting background investigations of applicants.

MINIMUM ENTRANCE REQUIREMENTS:

A. Education equivalent to the completion of high school.
B. At least four (4) years of experience in the City of Flint Police Department as a Police Officer immediately prior to the deadline date for filing for the promotional examination of Sergeant **OR** at least three (3) years of experience in the City of Flint Police Department as a Police Officer and one (1) year of college (30 semester hours verified by transcript).
C. Considerable knowledge of the rules and regulations of the Police Department and of pertinent federal, state and city laws.
D. Considerable knowledge of modern approved principles, practices and procedures in the investigation and prevention of crime and the apprehension of criminals.
E. Working knowledge of police methods and procedures.
F. Working knowledge of the rules relating to admission of evidence in court procedures.
G. Ability to understand and execute oral and written directions.
H. Ability to deal courteously but firmly with the public.
I. Ability to write clear and comprehensive reports.
J. Ability to meet the physical, mental and visual standards of the job.
K. Ability and willingness to work in a manner that will not needlessly endanger the safety to one's self, other persons and equipment.

LINE OF PROMOTION:

- Police Officer to Sergeant

NECESSARY SPECIAL REQUIREMENT(S):

- Possession of a valid State of Michigan Driver's License.

PHYSICAL DEMANDS:

While performing the duties of this job, the employee is frequently required to sit and talk or hear. The employee is occasionally required to stand; walk; use hands to finger, handle or feel objects, tools or controls; reach with hands and arms; climb or balance; stoop, kneel, crouch or crawl; taste or smell.
The employee must occasionally lift and/or move more than 100 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception and the ability to adjust focus.
The employee must be able to withstand exposure to traffic hazards continuously; withstand exposure to weather, wet conditions, high noise levels, hazardous materials and personal danger occasionally.
The employee may, at any time, be at risk of personal danger including, but not be limited to, the result of an intentional attack by people and/or animals as well as environmental hazards.
The employee frequently works in outside weather conditions. The employee occasionally works near moving mechanical parts; in high, precarious places; and with explosives and is occasionally exposed to wet and/or humid conditions, fumes or airborne particles, toxic or caustic chemicals, extreme cold, extreme heat and vibration.

Classification History:
Established: 12/18/73
(combined Police Sergeant and Det. Sergeant into one reallocated class)
Revised: Personnel 05/15/79, 08/27/85, 04/26/89, 10/24/94

The job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.

CITY OF FLINT
Position Description

Class Title:	Street Maintenance Administrative Support Technician	Job Code Number:	21-C-155
Established:	September 27, 2005	Bargaining Unit:	Local 1600

GENERAL STATEMENT OF DUTIES: Assists an executive with the administrative functions of the office; acts as department liaison with other departmental officials and the general public; performs complex and varied clerical and semi-technical functions requiring a high degree of decision; performs related work as required.

SUPERVISION RECEIVED: Works under the supervision of the Director of Transportation or his/her designee, who assigns work and reviews for conformance with required standards.

SUPERVISION EXERCISED: May exercise working supervision over clerical employees engaged in a variety of clerical duties.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

1. Types from a variety of drafts, forms, letters, receipts, records, reports, tape recordings and other materials which includes frequent use of technical terminology; prepares rough draft narratives and tabulations.

2. Researches and gathers a variety of data for use in composing and typing correspondence, applying a knowledge of departmental operations and regulations.

3. Performs a variety of secretarial activities, taking action as necessary in disposing of matters assigned by superiors.

4. Receives and interviews visitors; makes appointments and arranges meetings; opens, reads, and distributes incoming mail; assembles pertinent files and materials relevant to reply; maintains confidential files.

5. Checks the accuracy and completeness of reports and computations made by others; makes difficult computations and tabulations; may perform bookkeeping work and maintain accounting records. Maintains petty cash fund.

6. Utilizes the "Roadsoft GIS" database, including inputting all data for street repair work within the City of Flint. Utilizes the Street Resurfacing database, including all paperwork pertaining to the streets repaired within the City (i.e. asphalt tickets, daily work sheets, letters, etc.). Computes and submits reports on street resurfacing totals, monthly and yearly, showing cost estimates and end of year costs and submitting same to Genesee County.

7. Generates information for the CDBG Applications. Responsible tracking of all block grant expenditures for the Street Maintenance Division, including submissions for reimbursements and monthly reports on the grant.

8. Assists in the preparation of the annual budget for the Street Maintenance Division and review of the expenditures within the division.

9. Maintains payroll records; computes payroll distribution; distributes payroll checks to employees.

ESSENTIAL DUTIES AND RESPONSIBILITIES (Con't):

10. Performs a variety of clerical work, such as answering the phone, waiting on the counter, receiving fees, copying and the requisitioning of supplies.

11. Operates various office machines; may operate a dictation machine or a variety of other word processing equipment.

12. Acts as liaison between other departments and the public in matters relating to the functions of the Street Maintenance Division.

MINIMUM ENTRANCE REQUIREMENTS:

A. Four (4) years experience in the performance of responsible and difficult clerical work.
B. Thorough knowledge of office practices and procedures and of Business English and arithmetic.
C. Knowledge and skill in the use of microcomputers and office automation software.
D. Ability to type fifty (50) net words per minute.
E. Ability to carry out routine administrative and supervisory detail, independently.
F. Ability to maintain and keep involved clerical records and to prepare accurate reports and tabulations from such records.
G. Ability to establish and maintain effective relations with fellow workers, outside agency personnel, and the general public.

PHYSICAL DEMANDS:

While performing the duties of this job, the employee is frequently required to sit and talk or hear. The employee is occasionally required to walk; use hands to finger, handle, or feel objects, tools, or controls; and reach with hands and arms.

The employee must occasionally lift and/or move up to 10 pounds. Specific vision abilities required by this job include close vision and the ability to adjust focus.

Classification History
Established: Human Resources 09/27/05
Revised: Human Resources 07/30/2012

The job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.

CITY OF FLINT
Position Description

Class Title:	Finance Administrative Assistant	Job Code Number:	22A-C-073
Established:	June 2002	Bargaining Unit:	Exempt

GENERAL STATEMENT OF DUTIES:
Performs complex secretarial and technical functions related to the financial operations of the City, exercising initiative, a high degree of accuracy, sound judgement and discretion in the performance of duties; assists the Director of Finance with the administrative functions of the Department of Finance; provides administrative support to other members of the Finance Department as directed by the Finance Director; performs related work as required.

SUPERVISION RECEIVED:
Works under the supervision of the Director of Finance, who assigns and reviews work for conformance with required standards.

SUPERVISION EXERCISED:
May exercise working supervision over clerical employees engaged in complex office work.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

1. Serves as Assistant to the Finance Director, scheduling appointments and arranging meetings. Greets, interviews and screens callers and visitors, determining what requests are critical and what can be handled by others, thereby relieving the Finance Director of unnecessary detail. Answers inquiries and gives assistance for inter-office and outside requests. Maintains confidential files.
2. Researches and organizes information on special projects for the Finance Director. Gathers and organizes information and statistics on specific topics and prepares analysis of data and recommends/comments on findings. Performs special projects as directed and generates needed information and data. Researches and prepares reports, using financial data from various cities, for use in exhibits for union contract negotiations, Act 312 proceedings, etc. Special projects often require knowledge of basic accounting practices and procedures.
3. Drafts letters, articles, memoranda and other materials for the Finance Director involving accounting and investment terminology and procedures; composes and sends correspondence applying a knowledge of departmental operations and regulations, City ordinances and City-wide departmental functions and procedures. Drafts resolutions and orders at the direction of the Finance Director. Maintains confidentiality of information.
4. Opens, reads and distributes incoming mail and documents, assembles pertinent files and materials relevant to reply. Reads and summarizes reports and information to facilitate review by the Finance Director; determines priorities and gathers any needed information providing the Finance Director with additional background data and details. Recommends appropriate referral and/or response and refers to proper staff/division of Finance Department.
5. Reads and maintains ordinances and resolutions related to the City's fiscal operations; gathers and organizes statistical detail for financial reports; assists in preparing financial statements of the City from rough draft notes; types and checks financial statements for accuracy, form and completeness.

6. Assists the Secretary/Administrator (Finance Director) and Chair of the City of Flint Employees' Retirement System's Board of Trustees with the administrative functions of the Board; performs related work as required.
7. Serves as liaison between the Finance Director and the City Council, executive staff, department heads, Finance division heads and the general public, in matters relating to the fiscal operations of the City. Coordinates the submission of reports to the Office of the Michigan State Treasurer.
8. Assists in the preparation of the departmental annual budget. Responsible for budget control in terms of compiling and maintaining the proper office files and tracking systems, reporting variances in costs, maintaining records of expenditures and preparing purchase requisitions. May recommend fund transfers and solutions to budgetary problems.
9. Assists in the preparation of materials and resolutions for City Council meetings. Prepares routine resolutions and types proposed support details. Working with vendors, contractors, and the Legal Department, prepares contracts and Professional Services Agreements.
10. Performs miscellaneous clerical work such as developing forms, requisitioning supplies and operating various office machines and computers.

MINIMUM ENTRANCE REQUIREMENTS:

A. Five (5) years of full-time work experience in the performance of responsible and complex administrative support work, such as executive secretary or administrative aide. Post-secondary education in business, office management, finance and accounting or related field desirable.
B. Knowledge of City departments, policies and practices.
C. Thorough knowledge of office practices and procedures, business English and mathematics, accounting and investment terminology and financial reporting formats.
D. Knowledge and skill in the use of computers and Microsoft Office automation software (Word and Excel). Knowledge and skill related to BS&A and other expertise with systems utilized in the City is preferred.
E. Ability to type at the rate of fifty (50) net words per minute.
F. Ability to prepare accurate statistical and financial reports according to required standards.
G. Ability to compose written correspondence and reports.
H. Ability to carry out administrative and supervisory details, independently, in accordance with policies.
I. Ability to develop and maintain confidential files, records and forms, keep involved clerical records, gather data and prepare accurate reports and summaries from such data.
J. Ability to make decisions and exercise good judgement in the Finance Director's best interest.
K. Ability to plan and supervise the work of clerical subordinates.
L. Ability to operate various office equipment and machines.
M. Ability to use tact and diplomacy and maintain effective professional relationships with governmental officials, City employees, retirees, elected policy boards, money managers and consultants, contractors, vendors and the general public.
N. Excellent writing skills essential in preparing legally acceptable minutes and other required reports.
O. Ability to multi-task functions expeditiously with a minimum number of errors.
P. Ability to analyze and interpret information and use it in performance of duties

PHYSICAL DEMANDS

While performing the duties of this job, the employee is frequently required to sit and talk or hear. The employee is occasionally required to walk; use hands to finger, handle, or feel objects, tools, or controls; and reach with hands and arms.

The employee must occasionally lift and/or move up to 10 pounds. Specific vision abilities required by this job include close vision and the ability to adjust focus.

Classification History

Established: 06/28/2002
Revised & Reallocated: Human Resources 05/04/2006
Revised: Human Resources/Labor Relations 09/19/2012

The job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.

CITY OF FLINT
Position Description

Class Title:	Risk and Benefit Administrator	Job Code Number:	35-C-030
Established:	June 26, 1989	Union:	Exempt

GENERAL STATEMENT OF DUTIES:
Plans, implements, and coordinates City wide comprehensive Risk and Benefits Programs to reduce financial losses associated with all City property and operations. Manages and coordinates the City's Workers Compensation, Safety, Fraud Investigation, Wellness, Security, Employee/Retiree Benefits and Recovery Claims Programs. Analyzes insurance and benefit needs, policies, and purchases as required; performs related work as required.

SUPERVISION RECEIVED:
Works under the general supervision of the City Administrator who reviews work for effectiveness and conformance to standards.

SUPERVISION EXERCISED:
Exercises supervision over one or more employees engaged in Risk and Benefits related activities.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

1. Serves as Benefits Plan Administrator for all City benefit plans. Coordinates the property/casualty, health, dental, vision and retirement benefits programs. Meets and confers with employees regarding benefits and options available per benefit plan provisions.
2. Administers the City's self-insurance programs, including Workers Compensation, Benefits and Property casualty.
3. Manages and coordinates the Claims Recovery and Fraud Investigation Programs, which include the collection of monies and payment arrangements with affected parties; investigates claims, fraud and negotiates settlements with company adjusters. Reviews and investigates employee claims and takes appropriate action.
4. Meets and confers with insurance brokers to purchase adequate, cost effective insurance coverage. Examines individual policies for applicability, and recommends specific insurance purchases for various City and departmental activities.
5. Develops risk management safety, security, benefit and workers compensation policies and manuals; prepares reports and statistical data relating to operations and program performance.
6. Advises operating departments of insurance requirements, reviews City contracts, leases, and grants for proper insurance language, requirements and limits. Reviews Certificates of Insurance for conformance with City requirements.
7. Coordinates risk management activities with all City departments and advises management of all potential sources of loss and methods to reduce exposure to risks.
8. Serves as a management representative in attending City Council, Safety Committees, other meetings and seminars as required.
9. Responsible for maintaining insurance premium records, loss records, property evaluation, and other records necessary to ensure effective insurance and benefits management for the City; as necessary, designs and reviews forms to accommodate records management.
10. Prepares annual budget and resolutions for Council; provides insurance and claims information to the City Attorney's office and prepares insurance data for annual auditors report.
11. Develops and monitors claims reporting procedures; establishes and oversees the maintenance of risk management record keeping systems and property records.
12. Meets and confers with the City's Legal Office and other City staff on matters of damage claims, litigation, and insurance/bond matters for preparation of leases.
13. Prepares reports and statistical data relative to the City's insurance and benefits operations and program performance. Provides data pertaining to cost factors to Labor Relations and other interested parties for contract negotiations.

MINIMUM ENTRANCE REQUIREMENTS:

A. Bachelors Degree from an accredited college with specialization in Public Administration or related field. Masters in Business Administration (MBA) or Public Administration (MPA) with an Associates in Risk Management (ARM) preferred.

B. Five (5) years of full-time work experience in the Risk Management and Benefits field which must have included responsibility for insurance claims, health benefits, collections, including Safety, Workers Compensation, Security and Retirement Plans, analyzing, negotiating and purchasing comprehensive insurance coverage.

C. Knowledge of risk management principles and practices as applied to municipal risk management and benefit programs.

D. Knowledge of claims and claims recovery principles and procedures.

E. Skill in the analysis, development and implementation of effective risk management and benefit programs.

F. Ability to negotiate with insurance brokers to secure adequate, low-cost coverages.

G. Ability to administer self-insurance programs.

H. Ability to prepare clear, accurate and concise oral and written reports.

I. Ability to meet the physical, mental, and visual standards of the job.

J. Ability to establish and maintain effective working relationships with City officials and employees, insurance brokers, contractors, claimants, and the general public.

NECESSARY SPECIAL REQUIREMENTS

- Possession of a valid State of Michigan Driver's License before appointment.
- Possession of a professional Risk and/or Insurance and/or Benefits Certificate/Designation or its equivalent.

PHYSICAL DEMANDS

While performing the duties of this job, the employee is frequently required to sit and talk or hear. The employee is occasionally required to walk; use hands to finger, handle, or feel objects, tools, or controls; and reach with hands and arms.

The employee must occasionally lift and/or move up to 10 pounds. Specific vision abilities required by this job include close vision and the ability to adjust focus.

Classification History:

Established: Personnel 06/26/89
Revised: Personnel 08/07/89, 05/28/92, 06/01/92, 07/22/92
Revised, Retitled and Reallocated: 04/30/02
Reallocated: Wage Inequity 10/21/07

CITY OF FLINT
Position Description

Class Title:	School Crossing Guard	Job Code Number:	02-P-031
Established:	August 31, 1964	Bargaining Unit:	None

GENERAL STATEMENT OF DUTIES: Assists school children in safely crossing the streets at or near a school; notes traffic or other law violators and reports them to Police Department; performs related work as required.

SUPERVISION RECEIVED: Works under the supervision of Police personnel who makes assignments and frequent inspections.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

1. Assists school children in crossing streets or street intersections by directing or halting traffic when necessary.

2. Gives directions answers questions, and otherwise assists the general public.

3. Observes traffic or other law violators and reports them to police authorities.

4. Performs related work as required.

MINIMUM ENTRANCE REQUIREMENTS:

A. At least 18 years of age or high school graduation. (Applicants beyond the age of 70 may be appointed to this position.)
B. Working knowledge of State laws and City ordinances pertaining to traffic regulations.
C. Working knowledge of the location of City streets and buildings.
D. Ability to follow oral and written directions.
E. Ability to deal courteously but firmly with the public.
F. Ability to deal successfully with school children, the general public and police officers.
G. No serious defects of vision, hearing, or members. (Vision, hearing, and cardiovascular system to be checked prior to start of each school year.)
H. Ability to meet the physical, mental, and visual standards of the job.
I. Ability and willingness to work in a manner that will not needlessly endanger the safety to one's self, other persons and equipment.

PHYSICAL DEMANDS:

While performing the duties of this job, the employee is frequently required to stand; sit; walk; talk or hear; use hands to finger or handle objects, tools or controls; and reach with hands and arms. While performing the duties of this job, the employee regularly works in outside weather conditions and around traffic. The employee is occasionally exposed to wet and/or humid conditions, fumes or airborne particles, extreme cold, extreme heat and vibration.

Classification History:
Allocated: CSC 07/01/63
Established: City Comm. 08/31/64
Revised: Personnel 06/21/79, 01/11/82
Revised: Human Resources March 2005

The job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.

CITY OF FLINT
Position Description

Class Title:	Police Officer	Job Code Number:	18-P-012
Established:		Bargaining Unit:	FPOA

GENERAL STATEMENT OF DUTIES: Patrols the City of Flint to prevent crime, arrest violators of law, protect life and property, investigate traffic accidents, control traffic and maintain law and order; performs related work as required.

SUPERVISION RECEIVED: Works under the supervision of a Sergeant or a command officer who reviews work for conformance with departmental orders and regulations.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

1. Patrols assigned areas on foot, horse, motorcycle, cruiser or aircraft using radio equipment to prevent crime, direct traffic, investigate traffic accidents and to enforce federal, state and local laws.
2. Investigates suspicious activities and apprehends persons endangering the public. Makes preliminary investigation at the scene and gathers, preserves and marks evidence pertaining to criminal cases.
3. Consults with people regarding inquiries, complaints and information and makes proper disposition or refers to command officer.
4. Investigates traffic accidents to determine cause, takes statements, measurements and other evidence that may determine which party is at fault.
5. Maintains records on accidents, arrests, property damage and duty sheets. Appears as witness to accidents, crimes and other law violations as well as in probate and juvenile court. Prepares justice, circuit court records and probate court petitions and papers. Serves warrants and subpoenas.
6. May participate in special services functions as: water rescue squad, mounted patrol, communications, impounding automobiles, turnkey, crime research activities or surveillance of labor management disputes as required. May be assigned as school resource officer between Flint Police Department and Flint school system performing all duties customarily performed by school resource officer. May be assigned as mounted patrol officer performing all duties customarily performed by a mounted patrol officer. May be assigned as aircraft officer performing all the duties customarily performed by aircraft officers. May be assigned as dog handler performing all the duties customarily performed by dog handlers.
7. Escorts prisoners to headquarters for booking and is responsible for their safety and property while in custody.
8. Cooperates with prosecutor in preparation and prosecution of cases.
9. Checks security of residences and businesses while on patrol.
10. Provides public relations for the department by giving tours, speeches, information and assistance to general public.

MINIMUM ENTRANCE REQUIREMENTS:

A. Must be certified or certifiable as a State of Michigan law enforcement officer.
B. Ability to operate an automobile safely and in accordance with traffic laws.
C. Ability to understand and adhere to the laws and rules of the department.
D. Ability to understand and follow oral and written instructions.
E. Ability to prepare written reports.
F. Ability to deal courteously and firmly with the general public.
G. Aptitude for, or skill in, the use of firearms.
H. Ability to qualify on physical strength and agility test.
I. Vision must be a minimum of 20/50 in each eye, corrected to 20/20.
J. Hearing must be normal in each ear.

MINIMUM ENTRANCE REQUIREMENTS: (con't)

K. Personal record such as to withstand rigid criminal and character background investigations.
L. Ability to meet the mental standards of the job.
M. Ability and willingness to work in a manner that will not needlessly endanger the safety of one's self, other persons and equipment.
N. Possession of a good moral character as determined by a background investigation under procedures established by the City of Flint Police Department.
O. No felony convictions or high court misdemeanors.
P. Ability to successfully pass drug screening, physical and psychological evaluations.

NECESSARY SPECIAL REQUIREMENT(S):

- Twenty-one (21) years of age inclusive on date of application. (Applicants who will attain minimum age within three (3) calendar months following date of examination shall be deemed acceptable.)
- Possession of a valid Drivers License (a valid State of Michigan Driver's License will be required at time of appointment).

PHYSICAL DEMANDS:

While performing the duties of this job, the employee is frequently required to sit and talk or hear. The employee is regularly required to stand and walk; occasionally required to run and jump; use hands to finger, handle or feel objects, tools or controls; reach with hands and arms; climb or balance; stoop, kneel, crouch or crawl; taste or smell.

The employee must occasionally lift and/or move more than 100 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception and the ability to adjust focus.

The employee must be able to withstand exposure to traffic hazards continuously; withstand exposure to weather, wet conditions, high noise levels, hazardous materials and personal danger occasionally.

The employee may, at any time, be at risk of personal danger including, but not be limited to, the result of an intentional attack by people and/or animals as well as environmental hazards.

The employee frequently works in outside weather conditions. The employee occasionally works near moving mechanical parts; in high, precarious places; and with explosives; and is occasionally exposed to wet and/or humid conditions, fumes or airborne particles, toxic or caustic chemicals, extreme cold, extreme heat and vibration.

Classification History

Revised: CSC MTG. 02/25/69, 05/26/71, 04/04/72, 04/03/73
Retitled: CSC MTG. 07/02/74
Revised: CSC MTG. 07/01/75
Revised: Personnel 01/04/77
Revised: Police Dept. 07/01/78
Revised: Human Resources 10/09/03
Revised: Human Resources 10/12/04
Revised: Human Resources 11/18/04

The job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.

CITY OF FLINT
Position Description

Class Title:	Emergency 911 Communications Specialist I	Job Code Number:	16C-Q-035
Established:	September 19, 2008	Bargaining Unit:	Local 352

GENERAL STATEMENT OF DUTIES: Responsible for utilizing a computerized 911 telephone system to receive and enter 911 emergency calls and non-emergency telephone calls for service; responsible for the operation of computerized radio console equipment to respond appropriate Public Safety personnel to calls for service. Monitors, directs, and coordinates all police and fire radio traffic on primary and back-up channels; uses the computer keyboard and mouse for all automated call and dispatch activity.; receives and dispatches requests for emergency medical services; performs all related dispatch center duties as assigned.

SUPERVISION RECEIVED: Works under the direct supervision of a Communications Specialist II and the oversight of the 911 Administrator or designee in the absence of the Administrator.

SUPERVISION EXERCISED: On occasion may be required to act as a Communications Specialist II exercising the appropriate authority over other 911 personnel on duty on that shift.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

1. Receives emergency and complaint calls, assesses their relative severity and urgency, prioritizes it, and determines the appropriate response, and dispatches appropriate emergency personnel and vehicles. Wears a headset at all times while doing so.

2. Maintains a log and notifies Communications Specialist II's of all transmissions and departmental communication as related to Police, Fire, EMS, and 911.

3. Learns and utilizes all CAD system dispatch and call entry type codes. Utilizes the CAD system for all dispatch center work.

4. May be required to input data changes or upgrade information into the CAD system as necessary.

5. Reports CAD and MSAG errors on appropriate forms for assistance in maintaining the accuracy and efficiency of the computerized system.

6. In the event of system upgrade or system failure, will be required to perform duties manually.

7. May be required to operate a data entry device connected to a police information network to enter, modify, retrieve, or cancel a variety of police information.

8. May be required to assist in the training of new employees.

9. Assists with keeping the dispatch center and related rooms clean and neat.

10. Provides professional, polite, and caring service to all residents.

MINIMUM ENTRANCE REQUIREMENTS:

A. Ability to accurately keyboard at thirty (30) words per minute.
B. Must possess proficiency in typing numerical and alphabetical data.
C. Ability to speak proper English with clear enunciation.
D. Must meet minimum physical requirement of the job including sight and hearing.

MINIMUM ENTRANCE REQUIREMENTS (Con't):

E. Ability to compose and/or enter information clearly and concisely.
F. Ability to handle stressful duties and to exercise quick and sound judgment.
G. Ability to establish strong working relationships with other dispatch personnel.
H. Ability to accept supervision and operate in a paramilitary authority structure.
I. Knowledge of the geography of the City of Flint as well as location of streets.

NECESSARY SPECIAL REQUIREMENT(S):

- Hearing must be in the normal range.
- Must pass a thorough background check and drug screen.
- Must be able to accept normal work shifts that include weekends, holidays, and various regular and irregular shifts.
- Must work overtime as necessary.
- Must meet minimum physical requirement of the job including sight and hearing.

PHYSICAL DEMANDS:

While performing the duties of this job, the employee is frequently required to sit and talk or hear. The employee works in a seated position for prolonged periods of time. The employee is occasionally required to walk; use hands to finger, handle or feel objects, tools or controls; and reach with hands and arms.

The employee must occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision and the ability to adjust focus. The noise level in the work environment is usually quiet.

Classification History:
Established: Human Resources 09/29/2008

The job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.

CITY OF FLINT
Position Description

Class Title:	Principal Clerk Typist	Job Code Number:	16-A-010
Established:	July 30, 1981	Bargaining Unit:	Local 1600

GENERAL STATEMENT OF DUTIES: Acts as secretary to the administrator of a large department or major operating division; performs difficult and complex clerical work involving a considerable degree of decision; performs related work as required.

SUPERVISION RECEIVED: Works under the supervision of an administrative employee who assigns work and reviews for accuracy, but allows considerable independence of action.

SUPERVISION EXERCISED: Exercises working supervision over a few clerical employees engaged in a variety of clerical duties.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

1. Types from a variety of drafts, forms, letters, receipts, records, reports, tape recordings and other materials which includes frequent use of technical terminology; prepares rough draft narratives and tabulations.
2. Researches and gathers a variety of data for use in composing and typing correspondence, applying knowledge of departmental operations and regulations.
3. Performs a variety of secretarial activities, taking action as necessary in disposing of matters assigned by superiors.
4. Receives and interviews visitors; makes appointments and arranges meetings; opens, reads, and distributes incoming mail; assembles pertinent files and materials relevant to reply; maintains confidential files.
5. Checks the accuracy and completeness of reports and computations made by others; makes difficult computations and tabulations; may perform bookkeeping work and maintain accounting records; maintains petty cash fund.
6. Maintains payroll records; computes payroll distribution; distributes payroll checks to employees.
7. Performs a variety of clerical work such as answering the phone, waiting on the counter, receiving fees, copying and the requisitioning of supplies.
8. Operates various office machines; may operate a dictation machine or a variety of other word processing equipment.
9. May supervise or assist subordinate clerical employees in the performance of routine to moderately complex office work.

MINIMUM ENTRANCE REQUIREMENTS:

A. At least two years of experience in the performance of responsible and difficult clerical or secretarial work.
B. Considerable knowledge of modern office practices and procedures and of Business English and Arithmetic.
C. Ability to type from plain copy at the rate of fifty (50) net words per minute at a computer keyboard.
D. Ability to use computer software as related to office practices including electronic word processing, database, and spreadsheet packages.
E. Ability to compose letters and reports relative to work which does not depart substantially from routine.
F. Ability to keep involved clerical records; to assemble and organize data; and to prepare reports from such data.
G. Ability to prepare effective correspondence.
H. Ability to plan and supervise the work of subordinate clerical employees.
I. Ability to make decisions independently in accordance with rules, regulations and departmental policies and procedures.
J. Ability to deal with the public courteously and tactfully.

PHYSICAL DEMANDS:
While performing the duties of this job, the employee is frequently required to sit and talk or hear. The employee is occasionally required to walk; use hands to finger, handle, or feel objects, tools, or controls; and reach with hands and arms.

The employee must occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision and the ability to adjust focus. The noise level in the work environment is usually quiet.

Classification History
Established: Personnel 07/30/81
Reallocated: Personnel (Wage Inequity) 07/01/87
Revised: Personnel 04/20/98
Revised: Human Resources 10/06/04
Revised: Human Resources 02/25/05
Reallocated: Human Resources 10/22/06

The job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.

CITY OF FLINT
Position Description

Class Title:	Finance Administrative Support Technician	**Job Code Number:**	21-C-168
Established:	December 17, 2007	**Bargaining Unit:**	Local 1600

GENERAL STATEMENT OF DUTIES: Audits personnel records; performs complex clerical and administrative payroll functions for the City of Flint. Compiles and types reports; performs related work as required.

SUPERVISION RECEIVED: Works under the supervision of an administrative or finance/payroll employee of higher grade who assigns work and reviews for accuracy and conformance with standard procedures.

ESSENTIAL DUTIES AND RESPONSIBILITIES

1. Maintains general and subsidiary budgetary, utility, tax, or cost accounting records according to established account classifications, posting entries, balancing against other records, and preparing periodic reports reflecting these records.
2. Processes accounts payable transactions; audits all invoices received, checks receiving ticket and copy of purchase order. Codes all invoices per chart of expense accounts; prepares and posts invoices on remittance notice; resolves accounts payable problems of more than average difficulty.
3. Checks and verifies information used as supporting records for accounting entries; reviews daily input log for accuracy and completeness of documentation; prepares or requests corrections from pertinent parties; ensures integrity of input control.
4. Reviews daily mail for discounts pursuant to terms of purchase order agreements; determines appropriate payment date and processes with appropriate discounts.
5. Processes non-purchase order payments, blank purchase agreements, and service maintenance agreements; verifies extensions and totals.
6. Prepares journal vouchers and other adjustments and posts as necessary to insure correctness of accounts; reconciles bank statements; inputs data into the mainframe computer to post vouchers, receipts and other accounting entries; balances manual records to computer print-outs.
7. May audit payroll data for the City of Flint; such as hours worked, tax data, general deduction information, garnishment specification data, union dues to be withheld etc.
8. May record changes affecting net wages such as exemptions, insurance coverage, base benefits and various payroll deductions for each employee to update the City's master payroll records.
9. May assist in reconciling general ledger to various payroll reports, deduction reports and various financial reports.
10. Provides information to employees by telephone or in person where familiarity with moderately complex requirements or procedures is essential.
11. Composes, types and edits a variety of correspondence, reports, memorandums and other related material requiring judgement as to content, accuracy and completeness.
12. May provide payroll information to department heads or cost center managers as it relates to budgeting, fringe benefits and other fiscal activities.
13. May advise and counsel supervisory and non-supervisory personnel engaged in payroll activities; discusses with employees, their authorized representatives and supervisors, questions relating to payroll functions.
14. Performs the functions of the Finance Administrative Assistant in his/her absence.

MINIMUM ENTRANCE REQUIREMENTS:

A. Three (3) years experience in responsible office work, one (1) year of which must have been in a position with primary responsibility for the preparation and maintenance of personnel or payroll records; and at least two (2) years of experience in bookkeeping or related clerical work, including the maintenance of financial records and transactions.
B. Ability to read, interpret and apply contract language, ordinances, federal laws, rules, regulations and departmental policies and procedures as they related to payroll and fringe benefit programs.
C. Working knowledge of computers and electronic data processing; working knowledge of modern office practices and procedures.
D. Ability to compose letters and reports using proper business English, spelling, and arithmetic.
E. Ability to perform arithmetic computations accurately and quickly; ability to prepare detailed reports and analyses; ability to communicate effectively verbally and in writing.
F. Ability to work independently in researching, coordinating and implementing payroll transactions.
G. Ability to maintain confidentiality; Ability to establish successful working relationships with others.
H. Ability to work under pressure and/or with frequent interruptions.

PHYSICAL DEMANDS

While performing the duties of this job, the employee is frequently required to sit and talk or hear. The employee is occasionally required to walk; use hands to finger, handle, or feel objects, tools, or controls; and reach with hands and arms.

The employee must occasionally lift and/or move up to 10 pounds. Specific vision abilities required by this job include close vision and the ability to adjust focus.

Classification History:

Established: 12/17/07 Human Resources

The job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.

CITY OF FLINT
Position Description

Class Title:	Customer Service Clerk	Job Code Number:	14-D-013
Established:	August 1, 1994	Bargaining Unit:	Local 1600

GENERAL STATEMENT OF DUTIES: Gives information to the public in person and by phone, performs more complex work involving a moderate degree of decision in matters relative to the billing and collection of all receivables owed the City, checks the accuracy and completeness of records, forms, documents and attachments according to procedure or by comparison with original sources; performs related work as required.

SUPERVISION RECEIVED: Works under the supervision of an administrative employee or clerical employee of a higher level who assigns work and reviews for completeness and accuracy.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

1. Handles considerable public contact at the counter or by telephone, giving information, explaining procedures and activities, receiving and answering complaints, assists the public in the preparation of reports, forms and documents.

2. Maintains records, files, charts and other information of a unit; makes complex postings, reconcilements, and balances of clerical records.

3. Makes difficult arithmetic computations and checks computations utilizing automated reports; assists in the preparation of records and reports by assembling and computing data from available records.

4. Develops and assists in the maintenance of name and address records for income tax, water billing and ad valorem taxes. Completes input control forms, prepares data for keypunch and uses data processing equipment to input and make corrections to billing.

5. Prepares a variety of tax statements which encompass personal property, real property as well as special assessment taxes, and income tax assessments, estimated tax and F941's

6. Initiate duplicate water bills and make arrangements for payment of delinquent water and sewer charges; verifies payments of overdue bills and makes notification to cancel turnoffs; may approve applications and transfer of water service; initiate turn on orders based on payments made.

7. Sorts income tax record and returns; performs a preliminary check for completeness of returns; may send a form letter requesting additional information. Reconciles wage statements to employers FW3 report, makes necessary corrections on data processing forms.

8. Receives, sorts, processes mail; operates office machines and equipment not requiring previous specialized training, performs incidental typing as required using a keyboard.

MINIMUM ENTRANCE REQUIREMENTS:

A. One year of experience as a Customer Service Clerk Trainee.
B. Ability to maintain and keep involved clerical records and to prepare accurate reports and tabulations from such records.
C. Working knowledge of office practices and procedures and of Business English and Arithmetic.
D. Ability to make difficult arithmetic calculations quickly and accurately.
E. Ability to write legibly and to read and interpret maps and charts.
F. Ability to understand and follow oral and written instructions.
G. Ability to deal with the public tactfully and courteously.

PHYSICAL DEMANDS:

While performing the duties of this job, the employee is frequently required to sit and talk or hear. The employee is occasionally required to walk; use hands to finger, handle or feel objects, tools or controls; and reach with hands and arms.
The employee must occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision and the ability to adjust focus. The noise level in the work environment is usually quiet.

Classification History:
Established: Personnel 08/01/94
Revised & Reallocated: Personnel 08/23/94
Revised: Human Resources 03/28/05 (form and physical demands only)

The job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.

CITY OF FLINT
Position Description

Class Title:	Deputy District Court Clerk II	Job Code Number:	16-M-002
Established:	December 17, 1991	Bargaining Unit:	Local 1600

GENERAL STATEMENT OF DUTIES: Opens, prepares, updates, processes and closes traffic, criminal and civil cases (files) for the 68th District Court. Provides information to defendants and involved parties and answers questions concerning the more routine court policies and procedures to the public in person or by phone; performs related work as required.

SUPERVISION RECEIVED: Works under the supervision of an employee of a higher level who assigns work and reviews for accuracy and conformance to court policies and procedures.

SUPERVISION EXERCISED: Exercises working supervision over entry level personnel who are assigned to assist in the processing of court records and files.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

1. Prepares traffic, criminal and civil files, records, and processes complaints, and pleadings, prepares a variety of legal forms; enters defaults, judgements and orders. Ensures that all required data is entered into the computer system. Assigns case numbers and indexes files.

2. Reviews case files for completeness and accuracy of documents, including necessary follow up. Matches financial receipts and costs with appropriate cases or papers. Accepts and receipts monies; operates cash register in receipting of mail, receiving and recording payments for fines, fees and costs.

3. Operates computer terminal to enter case history, other information, make corrections, obtain information and to check or verify other data. Inputs citation closing data in terminal. Matches computer generated abstracts to citations and prepares abstracts of conviction for submission to the Secretary of State.

4. Answers inquiries both in person and by phone explaining court policies and procedures, answering routine inquiries, checking file information, assisting in completing forms, explaining rights and providing direction regarding court and inter-agency procedures.

5. Types a variety of forms, records and communications such as court dockets, judgements, orders, notices, motions, garnishments, writs, adjournments, commitments to jail, bench warrants, mittimuses, bonds, pre-trial notices and trial notices. Reviews mail and may respond with form letters or memos, posts information or takes necessary action as dictated by established procedures.

6. Schedules routine cases, trials and hearings according to established court policy, procedures and practices. Checks files for previous records, prepares docket sheets and assigns cases to judges. Ensures files are in order for court proceedings, checks in defendants and delivers proper files to courtroom or judge's office.

7. Makes computer entries of filed documents, service, garnishments, motions, affidavits, defaults, judgement satisfactions, consent or trial judgements. Prepares and maintains a variety of court files and records, both manually and with data processing equipment.

8. Closes cases by recording disposition in case files, notifying arresting agency and prosecutor of disposition, receipting fines and costs, and preparing necessary documents as dictated by case. Removes cases from active status and ensures proper records and files are maintained.

ESSENTIAL DUTIES AND RESPONSIBILITIES: (con't)

9. Assists in the on-the-job training of entry level court personnel by instructing and assisting the employee in learning the 68th District Court clerical duties, responsibilities, policies and procedures.

10. Checks tickets against cash detail for accuracy, proofreads and identifies errors on tickets. Processes garnishments, audits garnishment accounts and judgement balances. Performs other activities involving the verification of data and records including checking account balances and other financial and numerical computations.

11. Performs a variety of clerical duties such as opening and distributing mail, filing, operating office machines and preparing standardized records and reports.

MINIMUM ENTRANCE REQUIREMENTS:

A. At least eighteen (18) months of satisfactory work experience in the classification of Deputy District Court Clerk I.
B. Ability to type at the rate of 40 net words per minute.
C. Knowledge of the policies and procedures of the 68th District Court.
D. Knowledge of State laws, statutes and City ordinances as they relate to the functions of the 68th District Court.
E. Knowledge of Michigan Court rules.
F. Ability to use data processing equipment to input and retrieve information and data as required to create and maintain court records and files.
G. Ability to make rapid and accurate arithmetic calculations and tabulations.
H. Ability to write legibly.
I. Ability to maintain and keep involved legal clerical records and to prepare reports from such records.
J. Ability to understand and follow oral and written instructions.
K. Ability to deal with the public and court personnel tactfully and courteously.

PHYSICAL DEMANDS:

While performing the duties of this job, the employee is frequently required to sit and talk or hear. The employee is frequently required to walk; use hands to finger, handle or feel objects, tools or controls; and reach with hands and arms.

The employee must occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision and the ability to adjust focus. The noise level in the work environment is usually quiet.

Classification History:
Established: Personnel 12/17/91
Revised: Personnel 09/13/95
Reallocated: Wage Inequity 10/21/07

The job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.

CITY OF FLINT
Position Description

Class Title:	Firefighter/EMT	Job Code Number:	F1-Q-011
Established:		Bargaining Unit:	Local 352

GENERAL STATEMENT OF DUTIES: Protects life and property by combating, extinguishing, and preventing fires; maintains Fire Department property, equipment, apparatus, and quarter in good condition; performs related work as required.

SUPERVISION RECEIVED: Works under the direct supervision of a Sergeant or a Fire Officer of higher rank who assigns and reviews work for conformance with departmental orders and regulations.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

1. Responds to alarms with fire company.

2. Enters burning buildings with hose lines, operates nozzles and sprays a stream of water on a fire as directed; operates chemical hose, hand fire extinguishers and similar equipment as required.

3. Raises, lowers, and climbs ladders; ventilates burning buildings to carry off smoke and gases.

4. Removes persons from danger by individual or team methods, or by holding life nets.

5. Participates in overhauling operations to insure that fire is completely extinguished; performs salvage operations such as placing salvage covers, sweeping water and removing debris, gathering and returning ladders, hose, and other fire-fighting equipment to trucks; assists in all work in returning apparatus to service.

6. Administers first aid; operates aspirator, inhaler and resuscitator.

7. Takes part in training sessions on fire-fighting evolutions and techniques and fire prevention.

8. Assists in maintaining, testing and drying of hose.

9. At a fire station, stands regular house watch for receiving fire or other emergency alarms and dispatching fire apparatus. Assists in communication center as required.

10. Participates in cleaning fire-fighting apparatus, hose and firehouse; participates in all tests of equipment to maintain it in immediate working condition.

11. Performs routine household duties in the upkeep on the station by cleaning, cooking, making beds; caring for heating plant, caring for grounds around station; painting and minor repairs.

12. Inspects commercial and residential establishments for fire hazards; participates in fire prevention programs and activities.

MINIMUM ENTRANCE REQUIREMENTS:

A. Proof of successful completion of the State of Michigan Firefighter I & II.
B. Ability to perform a wide variety of Fire-fighting and Emergency Medical Technician duties within a reasonable period of time.
C. Ability to understand and to follow oral and written directions.
D. Ability to get along with others.
E. Aptitude for mechanical work.
F. Good physical condition, strength and agility.
G. Ability to meet the physical, mental and visual standards of the job.
H. Ability and willingness to work in a manner that will not needlessly endanger the safety to one's self, other persons, and equipment.

NECESSARY SPECIAL REQUIREMENT(S):

- Possession of a valid State of Michigan Driver's license.
- Possession and maintenance of a valid Michigan Department of Public Health Emergency Medical Technician License within one (1) year of appointment.
- Possession and maintenance of a valid State of Michigan Department of Public Health Advanced EMT License within four (4) years of appointment.

NOTE:

Any person hiring on as a Firefighter after January 24, 1977, will be required to take First Aide and Emergency Medical Technician Training, and can be required to act as a member of a "E" unit or ambulance crew.

PHYSICAL DEMANDS:

While performing the duties of this job, the employee is frequently required to stand; sit; walk; talk or hear; use hands to finger, handle or operate objects, tools or controls; and reach with hands and arms. The employee is occasionally required to climb or balance; stoop, kneel, crouch or crawl; taste or smell. The employee regularly works in outside weather conditions. The employee occasionally works near moving mechanical parts and in high, precarious places and is occasionally exposed to wet and/or humid conditions, fumes or airborne particles, toxic or caustic chemicals, risk of electric shock and vibration.

The employee must frequently lift and/or move up to 10 pounds and occasionally lift and/or move more than 100 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception and the ability to adjust focus. The noise level in the work environment is usually moderate, except during certain Fire-fighting or EMT activities when noise levels may be loud.

Classification History:

Revised: CSC Mtg. 12/07/64, 02/09/71, 12/14/71
Retitled: CSC Mtg. 07/02/94
Revised: CSC Mtg. 01/21/75
Revised: Personnel 04/11/78, 01/06/83, 06/28/84
Revised: 10/21/04
Revised & Retitled: 06/03/05

The job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.

CITY OF FLINT
Position Description

Class Title:	Retirement Specialist	Job Code Number:	22-C-152
Established:	August 23, 2004	Bargaining Unit:	Local 1600

GENERAL STATEMENT OF DUTIES: Assists the Retirement & Benefits Manager in determining employees' eligibility for retirement, death benefits, contribution withdrawals, etc. according to individual collective bargaining agreements and the City of Flint's Retirement System Ordinance. Performs duties as outlined by guidelines, which exist in the form of program policies and procedures and City, State and Federal retirement regulations and laws. Interacts consistently with active and retired Retirement System members, employees in central and departmental personnel units, financial planners and health care carriers to disseminate and obtain information. Performs related work as required.

SUPERVISION RECEIVED: Works independently under the general supervision of the Retirement & Benefits Manager.

SUPERVISION EXERCISED: May exercise working supervision over a few employees engaged in Retirement and Benefits activities.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

1. Research and compile Retirement System members' retirement records affecting potential retirement benefits including work history, contributions, service time and compensation. Audits retirement data and assists in correcting deficiencies.

2. Manually calculate all components of retiring individual's benefits; manually calculate periods of unpaid time from retirement card file or other sources containing service history; calculate average salary and amount of retirement credit.

3. Prepare analysis of information to assist potential retirees in making financial decisions.

4. Respond to inquiries concerning Retirement System policies and procedures, and interpret and explain City, State and Federal rules and regulations concerning retirement.

5. Provide information pertaining to pension estimates, retiree benefits and cost of living adjustments.

6. Compile, research and report on data relating to retirements, deaths, death benefits and bonus payments.

7. Schedule retirement interviews and assist with development of interview guides and documents; draft routine correspondence and reports.

8. Maintain confidential retirement system files for active and retired members.

9. Composes and edits a variety of correspondence, reports, memoranda, and other related material requiring judgement as to content, accuracy, and completeness. May type Retirement Board minutes and agenda.

10. Performs other related duties of a comparable level/type as assigned.

MINIMUM ENTRANCE REQUIREMENTS:

A. At least three (3) years paid work experience performing responsible and highly confidential office work, one (1) year of which must have been in a position with primary responsibility for the preparation and maintenance of benefits and/or medical records.
B. Two years of full-time paid work experience in investments, accounting or the administration of a payroll, retirement or fringe benefit plan.
C. Ability to work under pressure with frequent interruptions; Ability to maintain confidentiality.
D. Knowledge of the organization, work, functions, policies and procedures involved in the administration of employee retirement and benefit systems and the related laws and regulations.
E. Ability to make arithmetic computations quickly and accurately, including basic algebra.
F. Ability to perform mathematical computations to compute retirement benefits and to research, use initiative and judgment to gather the appropriate data to perform the calculations
G. Ability to use automated mainframe systems and microcomputer analytical programs to generate pension fund performance reports and payroll charts and reports.
H. Ability to supervise the maintenance of involved records and files and to assemble, organize and prepare detailed and difficult reports from them.
I. Ability to deal effectively with other City employees, retirees, elected policy boards, money managers and the general public.

PHYSICAL DEMANDS:

While performing the duties of this job, the employee is frequently required to sit and talk or hear. The employee is occasionally required to walk; use hands to finger, handle or feel objects, tools or controls; and reach with hands and arms.
The employee must occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision and the ability to adjust focus. The noise level in the work environment is usually quiet.

Classification History:
Established: Human Resources 08/23/04

The job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.

CITY OF FLINT
Position Description

Class Title:	Mayor's Office Receptionist	Job Code Number:	06-A-102
Established:	September 25, 2009	Bargaining Unit:	EXEMPT

GENERAL STATEMENT OF DUTIES:
Performs a variety of routine clerical work in maintaining front office operations, prepares simple forms and documents; provides clerical assistance to the Mayor's office staff as needed.

SUPERVISION RECEIVED:
Works under the direct supervision of the Mayor or his/her designee(s).

SUPERVISION EXERCISED:
None

ESSENTIAL DUTIES AND RESPONSIBILITIES:
1. Performs a variety of miscellaneous office duties to include opening and routing of mail, greets the public, answers the phone, copies documents, files documents.
2. Performs incidental typing; including the preparation of simple correspondence. Assists in the preparation of necessary office forms, the routing of correspondence.
3. Performs other duties as assigned by an administrative employee of higher grade.

MINIMUM ENTRANCE REQUIREMENTS:

A. Graduation from high school or GED equivalent with specialized course work in general office practices such as typing, filing and bookkeeping.
B. At least two (2) years of paid routine clerical or secretarial experience.
C. Ability to type from plain copy at the rate of forty (40) net words per minute.
D. Ability to compose letters and reports using proper business English, spelling and arithmetic.
F. Ability to maintain effective working relationships with other employees, public officials, and the general public.

PHYSICAL DEMANDS

Employee is required to sit, talk and hear. The employee is frequently required to walk; use hands to operate, finger handle or feel objects, tools or controls. The employee must occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision and the ability to focus.

Classification History:
Established: 10/02/09

The job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.

CITY OF FLINT
Position Description

Class Title:	Information Technology Specialist	Job Code Number:	24-B-063
Established:	June 1, 2012	Bargaining Unit:	Local 1600

GENERAL STATEMENT OF DUTIES: Provides resolution of hardware and software issues relating to the City's Information Technology Infrastructure as well as assisting the Information Technology Services Network Administrator or designee in aspects of network administration duties.

SUPERVISION RECEIVED: Works under the direct supervision of the Information Technology Services Network Administrator or designee and periodically works with all development staff.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

1. Assists the Network Administrator or designee with duties related to backup and recovery, security management, user account management, e-mail management, internet access, virus protection, firewall access, and applications support.

2. Maintains and supports IT hardware; including any computers, radios, cell phones, switches, closed circuit TV's, electronic sirens, video tape recorders, test equipment, portable transceivers, tape recorders, PA equipment, or any electronic device used in the operation of IT services.

3. Coordinates the development of hardware and software to ensure optimal deployment of resources.

4. Assists with technology planning through ongoing research.

5. Installs software, network servers and work stations; assists in configuring the setup parameters. Logs receipt of software and configuration as installed.

6. Installs for assists in the installation of network equipment (LAN, WAN, WLAN); configures network specifications on servers, routers, switches, hubs and/or work stations.

7. Documents hardware and network configurations and maintains a log of configuration parameters.

8. Documents network projects and prepares written status reports.

9. Assists in the training of users on PCs as it pertains to the City network.

10. Troubleshoots and repairs network issues.

11. Installs, configures, and maintains network systems.

12. Provides recommendations as required for the design, installation and maintenance of hardware and software.

13. Performs inspection of hardware equipment for malfunctions.

14. Performs additional duties as required.

MINIMUM ENTRANCE REQUIREMENTS:

A. A Bachelor's Degree from an accredited college in Computer Science or a related field, or at least five (5) years of experience holding a position in Information Technology.
B. At least two (2) years of full-time, paid work experience in a medium-sized municipal government environment.
C. Experience in desktop systems and communications devices using current technologies.
D. Knowledge of Windows servers and desktop products.
E. Knowledge of setting up remote access for users.
F. Ability to support networked printers and photocopiers.

MINIMUM ENTRANCE REQUIREMENTS: (con't)

G. Working knowledge of current communications devices and protocols, server and desktop technologies.
H. Ability to train and provide orientation of new staff.
I. Ability to manage multiple projects, activities, and tasks simultaneously.
J. Excellent verbal and written communication skills.
K. Excellent critical thinking and analytical skills.
L. Excellent presentation skills.
M. Excellent strategic planning skills.

NECESSARY SPECIAL REQUIREMENT(S):

- Valid State of Michigan driver's license at time of application.
- Certification for CompTIA in Network+, A+, or CTP+ is required within six (6) months of appointment.

PHYSICAL DEMANDS:

While performing the duties of this job, the employee is frequently required to sit and talk or hear. The employee is occasionally required to walk; use hands to operate, finger, handle or feel objects, tools or controls; and reach with hands and arms. The employee must occasionally lift and/or move up to 50 pounds. Specific vision abilities required by this job include close vision and ability to adjust focus.

Classification History

Established: Human Resources/Labor Relations 06/01/12

The job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.

CITY OF FLINT
Position Description

Class Title:	**Software Systems Administrator**	Job Code Number:	30-B-46
Established:	10-29-99	Bargaining Unit:	Exempt

GENERAL STATEMENT OF DUTIES:
Develops specifications and file formats for new applications; establishes standards for new uses and monitors standards for existing applications; assures that any modifications to on-going systems are properly implemented; Provides second-level technical support in the resolution of database system difficulties; trains Programmer/Analysts; performs related duties as assigned.

SUPERVISION RECEIVED:
Works under the direct supervision of the IS Administrator or designee.

SUPERVISION EXERCISED:
Supervises Database Programmer/Analysts, Programmer Analysts, Web Application Developer / Designer and may exercise supervision over other employees engaged in database related activities.

ESSENTIAL DUTIES AND RESPONSIBILITIES:
1. Responsible for the content and structure of the database and for the control of data access and search strategies to the database.
2. Establishes data entry techniques; researches and reviews new data elements to prevent redundancy; coordinates definition of data elements.
3. Codes, test, and debugs programs in accordance with departmental standards and procedures.
4. Establishes and implements standards for the use of database management as well as data entry, edit, and validation standards for applications programs.
5. Responsible for monitoring the installation of upgrades and new releases of software. Initiates and implements corrective action for operational deficiencies/difficulties.
6. Monitors the development of application systems according to IS standards regarding system integrity, backups, access strategies and teleprocessing interfaces. Monitors and regulates physical storage allocations.
7. Institutes security sub-system procedures to guard against unauthorized updating, copying, inadvertent disclosures, removals, or destruction of all or any part of the databases and coordinates this activity with internal and external audit activities.
8. Trains IS and customer department personnel in the use of the software.
9. Evaluates software systems and customer department needs and prepares written and oral analysis, recommendations, and presentations.
10. Keeps IS Administrator updated as to problems and resolutions with the software systems.
11. Plans, advises and coordinates the proper integration and correlation of the functions and activities related to the installation of new software systems.
12. Performs additional duties as assigned.

MINIMUM ENTRANCE REQUIREMENTS

A. A Bachelor's degree from an accredited college or university with a major in Computer Science, Management Information Systems, Mathematics, or a field which emphasized skills in problem identification, analysis, and resolution. Coursework in Software Development and relational database theory is desirable.
B. At least three (3) years, within the past five, of full-time paid work experience in programming and systems design in a client/server computer installation utilizing a multiprogramming, virtual storage operating system, a database management system, and a SQL language.
C. Two years of supervisory experience of technical staff personnel.
D. Possession of certification as an Oracle Certified Professional or qualifies as a specialist in database environments such as SQL Server 2005 or Oracle with five or more years experience
E. Considerable knowledge of the operation of computer equipment.
F. Experience with a major upgrade of database systems.
G. Considerable ability to exercise judgment and initiative in analyzing problems, initiating solutions and conducting testing.
H. Experience in troubleshooting and debugging database systems.
I. Considerable ability to analyze and communicate current database needs and requirements and make recommendations as to future enhancements.
J. Considerable ability to provide specification requirements, operating standards and procedures.
K. Ability to follow complex written and oral instructions and to prepare and present effective written and oral reports.
L. Ability to develop and maintain effective working relationships with Information Services staff, customer departments, and vendors.

PHYSICAL DEMANDS

While performing the duties of this job, the employee is frequently required to sit and talk or hear. The employee is occasionally required to walk; use hands to finger, handle, or feel objects, tools, or controls; and reach with hands and arms.

The employee must occasionally lift and/or move up to 10 pounds. Specific vision abilities required by this job include close vision and the ability to adjust focus.

Classification History:

ESTABLISHED: Personnel 10-29-99
REVISED & REALLOCATED: Personnel 08-05-01
REVISED: Personnel 10-19-10
REVISED & RETITLED (formerly Database Administrator): Human Resources 06-01-12

The job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.

CITY OF FLINT
Position Description

Class Title: Street Operator/Maintainer Trainee		Job Code Number:	14-G-019
Established:	November 7, 1993	Bargaining Unit:	Local 1600

GENERAL STATEMENT OF DUTIES: The Street Operator/Maintainer Trainee will undergo a structured and progressive training program involving on-the-job work experiences. Beginning work assignments include the performance of routine, manual tasks to assist in the construction, repair and maintenance of sidewalks, curbs, gutters, pavement, street resurfacing, and related facilities. Also performs the function of snow and ice removal and related duties. Training is accomplished through work experiences, work assignments progress to the less routine tasks such as setting grade-lines and operating specialized construction and snow removal equipment. Performs other related duties as assigned. The training program is geared toward preparing a trainee for promotion to the position of Street Operator/Maintainer. Promotion to Street Operator/Maintainer will occur only as openings exist.

SUPERVISION RECEIVED: Works under the supervision of an employee of higher grade with the amount of supervision decreasing in accordance with accumulation of experience and education.

Street Operator/Maintainer Trainee I (14-G-019)

Completes twelve months of on-the-job training with no specific number of hours required. Any break in time longer than one week will require that the one year be extended the amount of time equal to the time the employee was off work (ex., Workers compensation, ESL, sick occasions over one week). Progression to the position of Street Operator/Maintainer Trainee II will be contingent upon successful completion and satisfactory evaluation of on-the-job performance.

Street Operator/Maintainer Trainee II (17-G-020)

Completes an additional 2200 hours with a minimum of twelve (12) months experience in the Street Maintenance Division. Progression to the position of Street Operator/Maintainer Level 19 will be contingent upon successful completion and satisfactory evaluation of on-the-job performance.

MINIMUM ENTRANCE REQUIREMENTS:

A. Ability to understand and follow oral and written instructions.
B. Ability to perform manual labor for extended periods under unfavorable climatic conditions.
C. Mechanical aptitude.
D. Ability and willingness to work in a manner that will not endanger the safety of one's self, other persons and equipment.
E. Ability and willingness to complete required training satisfactorily.
F. Must be willing and available to work nights, weekends and holidays as required to perform essential job related city services.

NECESSARY SPECIAL REQUIREMENT:

A. Possession of a valid Michigan Driver's License.
B. Possession of a Commercial Driver's License Type A.
****NOTE: Qualified candidates in possession of a "TIP" (Temporary Instruction Permit) will be able to apply for this position with the understanding that if they are selected they must be in possession of a valid CDL "A" within 90 days of appointment or be discharged from the position.)**

PHYSICAL DEMANDS:

While performing the duties of this job, the employee regularly works in outside weather conditions. The employee regularly works near moving mechanical parts and is exposed to inclement conditions, fumes or airborne particles, traffic, toxic or caustic chemicals, risk of electrical shock, and vibration. The employee is regularly required to reach with hands and arms and is required to stand and walk; and use hands to finger, handle, feel or operate objects, tools, or controls. The employee is occasionally required to sit; climb or balance; stoop, kneel, crouch, or crawl; and talk or hear.

The employee must frequently lift and/or move up to 25 pounds and occasionally lift and/or move more than 100 pounds. Specific vision abilities required by this job include close vision, and the ability to adjust focus.

Classification History
Established: Personnel 11/07/93
Revised: Personnel 03/09/94, 10/11/29
Revised: Personnel 10/16/96, 08/10/99
Revised: 11/20/02
Revised (per Settlement Agreement): 07/11/06
Reallocated (Wage Inequity- progression levels): 10/26/07

The job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.

Section Separator (e) A description of any position that has been eliminated or from which an employee has been laid off.

Human Resources and Labor Relations
PA72 Report - Personnel

	Vacancies Filled	Eliminated Positions	Positions – Employees Laid Off
August	• Police Sergeants – 9 • Street Maintenance Admin Support Tech – 1 • Finance Admin. Asst. (contract) – 1 • Risk & Benefits Admin (contract) – 1 • School Crossing Guards (Interim) - 2		
September	• Police Officer (rehire) - 1 • School Crossing Guards (Interim) – 47 • Communication Specialist I – 3		• Waste Collector
October	• Principal Clerk Typist – Police Dept – 1 • Accounting Admin Support Tech Traffic – 1 • Customer Service Clerk (Interim) – 1 • Deputy Court Clerk II – 1 • Election Workers – 76 • Board of Review (Elections) - 4		• Records Clerk Teller (68th D.C.) - 1
November	• Firefighter (SAFER Grant) – 1 • Retirement Specialist (Interim) - 3	• Inventory Control Specialist – 1	
December	• School Crossing Guards (Interim) – 2 • Retirement Specialist (Interim) – 1 • City Council (1st Ward) – 1 • Mayor's Office Receptionist – 1 • IT Specialist – 4 • Software Systems Admin – 1 • Finance Admin Asst. (Permanent) - 1		• Casual Skilled Laborer (Interim) - 4
January	• Street Operator Maintainer – 2		

CITY OF FLINT
Position Description

Class Title:	Inventory Control Coordinator	Job Code Number:	24-C-085
Established:		Bargaining Unit:	Local 1799

GENERAL STATEMENT OF DUTIES: Supervises the operations of the general city storerooms, storage areas and receiving dock, ordering, storing and issuing a large variety of maintenance, repair and operating supplies; maintains stocks and inventories current with needs; administers new inventory systems and oversees the new revisions of said systems; performs related work as required.

SUPERVISION RECEIVED: Works under the supervision of an administrative employee of higher rank who reviews work for effectiveness and accuracy.

SUPERVISION EXERCISED: May exercise supervision over a number of employees engaged in buying, receiving, storing and issuing maintenance, repair and operating supplies.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

1. Supervises the training of new & existing stockkeepers on the Inventory system currently used by the City of Flint.

2. Supervises the implementation of new, upgraded or modified software that the City of Flint procures as it pertains to Inventory.

3. Assembles new training materials and trains appropriate employees on new functionality of any Inventory systems that is utilized by the City of Flint.

4. Prepares proposals and bids for solicitation as requested by stockrooms, Fleet and other departments as assigned.

5. Processes all purchases orders for the City of Flint's stockroom.

6. Interacts with vendors to discuss products and any concerns pertaining to Inventory control.

7. Prepares resolutions that are approved by legislative body.

8. Process daily inventory entries to verify sufficient funding and prepare appropriate entries for the Finance Department.

9. Supervises and assists in performing inventory counts for any department that purchases inventory.

10. Prepare reports to reflect any irregularities of inventory counts.

11. Make recommendations for securing stock at all City of Flint Stockrooms.

12. Works with the Finance Department with GASB 34 for Inventory Fixed assests.

MINIMUM ENTRANCE REQUIREMENTS:

A. Three (3) years experience in keeping of stores, materials and supplies, and also in the maintenance of related clerical record(s).
B. Considerable knowledge in the implementation and/or upgrade of software related to purchasing, inventory or fleet.
C. Considerable knowledge of storekeeping methods, records and practices.
D. Familiarity with elementary budget principles and calculations.
E. Familiarity with all maintenance, repair and operating supplies carried in general city storerooms.
F. Ability to determine deviations from prescribed specifications.
G. Ability to plan, direct and organize the work of ordering, receiving, storing and issuing stock items.
H. Ability to make arithmetic computations accurately.
I. Ability to keep stock records and makes reports.
J. Ability to maintain harmonious relationships with storeroom employees, other employees and supervisors, and with vendors.

NECESSARY SPECIAL REQUIREMENT(S):

- Must possess a valid State of Michigan Driver's License.

PHYSICAL DEMANDS:

While performing the duties of this job, the employee is frequently required to reach with hands and arms. The employee is frequently required to stand; walk; use hands to finger, feel or operate objects, tools or controls. The employee is occasionally required to sit; climb or balance; stoop, kneel, crouch or crawl; and talk or hear.
The employee must frequently lift and/or move up to 25 pounds and occasionally lift and/or move more than 100 pounds. Specific vision abilities required by this job include close vision and the ability to adjust focus.

Classification History:
Revised: CSC 03/26/69
Reallocated: 03/17/73
Revised: Personnel 02/15/84, 11/07/96
Reallocated: Wage Inequity 06/26/97
Reallocated: Personnel 07/14/97
Reallocated & Revised: Personnel 11/08/99
Revised & Retitled (formerly Chief Stockkeeper): 04/15/04
Reallocated (Wage Inequity): 10/21/07

The job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.

CITY OF FLINT
Position Description

Class Title:	Waste Collector	Job Code Number:	18-H-081
Established:		Bargaining Unit:	Local 1600

GENERAL STATEMENT OF DUTIES: Performs strenuous physical labor involved in waste collection. Responsible for the safe operation of an assigned refuse packer. Drives and loads packer type truck collecting garbage, ashes, tin cans, yard rubbish, dead animals, and other refuse and unloads at disposal areas; services truck; perform related work as required.

SUPERVISION RECEIVED: Works under the supervision of a foreman or administrative employee of higher grade.

SUPERVISION EXERCISED: NONE

ESSENTIAL DUTIES AND RESPONSIBILITIES:

1. Drives and operates a packer type truck collecting garbage, trash, compost, discarded items and other refuse from house to house and other sources. Works from rear of truck loading refuse into hopper, applies violation notices and operates mechanism to load dumpsters and pack refuse into truck.
2. Picks up loose or spilled materials to assure all material is collected.
3. Checks the amount of loaded refuse to see that the packer body is not overloaded.
4. Unloads vehicle at transfer station, dump or landfill.
5. Does first echelon maintenance on vehicles. Makes minor running repairs and adjustments to trucks.
6. Checks and maintains water, gasoline and oil levels of assigned vehicle. Checks tires for proper inflation and adds air as needed. Reports needed repairs on trucks.
7. May operate snow removal equipment during heavy snowfalls.

MINIMUM ENTRANCE REQUIREMENTS:

A. At least six (6) months experience in the operation of automotive equipment heavier than pleasure vehicles.
B. Working knowledge of the principles of heavy equipment operation.
C. Working knowledge of the laws and ordinances regulating the operation of trucks and vehicles.
D. Knowledge of traffic rules and regulations.
E. Working knowledge of the geography of the city.
F. Ability to make minor running repairs and adjustments and to service automotive equipment.
G. Ability to understand and carry out oral and written orders.
H. Ability to perform heavy manual labor and lifting for extended periods, under unfavorable climatic conditions.

NECESSARY SPECIAL REQUIREMENTS:

- Possession of a Commercial Drivers License Type B.
- Must meet the physical standards prescribed by Michigan State Police Motor Carrier Division and must possess and carry a valid current Medical Examiner's Certificate certifying physical fitness for driving in accordance with the State of Michigan Motor Carrier Safety Act.

PHYSICAL DEMANDS:
While performing the duties of this job, the employee is frequently required to reach with hands and arms. The employee is frequently required to climb or balance; stoop, kneel, crouch, talk and hear. The employee is frequently required to stand; walk; use hands to finger, feel or operate objects, tools or controls. The employee regularly works in outside weather conditions. The employee frequently works on and near moving vehicles and traffic and is occasionally exposed to wet and/or humid conditions, fumes or airborne particles, toxic or caustic chemicals.

The employee must frequently lift and/or move up to 75 pounds and occasionally lift and/or move more than 100 pounds. Specific vision abilities required by this job include close vision and the ability to adjust focus.

Classification History
Revised: CSC MTG. 2/25/69, 3/6/73, 7/3/73
Revised: Personnel 7/8/76 & 10/10/78
Reallocated: Waste Collection Agreement 7/1/85
Revised: Personnel 7/8/91, 10/26/98, 3/31/03
Reallocated: 8/18/06

The job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.

CITY OF FLINT
Position Description

Class Title:	Records Clerk Teller	Job Code Number:	19-C-049
Established:	June 11, 2004	Bargaining Unit:	Local 1600

GENERAL STATEMENT OF DUTIES: Assists the public at the counter explaining court procedures, answering questions, receiving and receipting monies for fines, fees, and bonds. Operates a cash register and issues receipts. Audits payments and insures proper accounting records are maintained on daily court operations and monies received. Performs related work as required.

SUPERVISION RECEIVED: Works under the supervision of an employee of higher level who assigns work and checks for accuracy and conformance with standard procedures.

SUPERVISION EXERCISED: Exercises working supervision over a small number of clerical employees engaged in a variety of clerical type duties.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

1. Provides counter assistance, receipts monies for fines, fees and bonds. Explains in person or by phone court policies, procedures and regulations and assists in the initiation of case proceedings.

2. Operates a cash register in receiving payments and issuing receipts. Establishes and maintains accounting records detailing monies received and prepares detailed reports of operations.

3. Closes or rings out the registers daily, totals and prepares reports, checks balances and corrects as necessary to ensure proper accountability of monies received.

4. Balances, sorts and processes bonds ensuring the establishment and maintenance of records; posts information to bond books, verifies release of money is authorized and issues checks.

5. Processes garnishments verifying accuracy of employer disclosures, ordering garnishments from banks, received and records checks and writes and/or transmits checks to payees.

6. Operates a computer terminal in entering case histories, adjournments, dispositions and other necessary information. Posts transactions to court files, makes corrections, obtains information and checks and verifies information.

7. Assists in the maintenance of banking accounts such as monthly reconciliation of checking accounts and deposits and processing bad checks.

8. Instructs and oversees clerical employees engaged in the processing, establishment and maintenance of court records and files.

9. Answers questions from the public regarding court procedures and policies and gives assistance as needed.

MINIMUM ENTRANCE REQUIREMENTS:

A. At least two (2) years of experience in 68th District Court.
B. Ability to type at the rate of 40 net words per minute.
C. Working knowledge of the 68th District Court operation, policies and procedures, for Civil, Traffic, Criminal, and Small Claims processes.
D. Working knowledge of the applications of bookkeeping principles to routine accounting transactions and the ability to apply these principles in maintaining accounting files and records.
E. Working knowledge of office methods, procedures, and equipment.
F. Familiarity with state laws, statutes, and City ordinances as they relate to the functions of the 68th District Court.
G. Ability to maintain clerical records and to prepare reports from such records.
H. Ability to deal with the public tactfully and courteously.
I. Ability to identify procedural problems and to report such to supervision.

PHYSICAL DEMANDS:

While performing the duties of this job, the employee is frequently required to sit and talk or hear. The employee is frequently required to walk; use hands and fingers to handle or feel objects, tools or controls; and reach with hands and arms. The employee must occasionally lift and/or move up to 25 pounds. Employee is required to bend and climb to retrieve and/or replace files. Employee is frequently required to step up and down on an elevated seat/stool to properly service customers. Specific vision abilities required by this job include close vision and the ability to adjust focus. The noise level in the work environment is usually quiet.

Classification History
Established: Personnel 05-28-91
Revised: Personnel 09-22-94, 10-10-94, 11-13-96
Reallocated: Wage Inequity 07-01-97
Revised: 09-20-05
Reallocated: Wage Inequity 10/21/07

The job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.

Section Separator (f) Update to the City of Flint Financial and Operating Plan

City of Flint Financial and Operating Plan - Fiscal Year 2013 - UPDATE

Introduction

This Financial and Operating Plan for the City of Flint is submitted by the Emergency Financial Manager for the City of Flint to Governor Rick Snyder, through the Department of Treasury for the State of Michigan, in accordance with Public Act 72, Section 141.1220.

This report includes a summary of the financial conditions, goals for the City of Flint, plans to conduct the operations of the city and the planned and on-going actions being taken to resolve the financial emergency. This plan will be posted on the city's website: www.cityofflint.com

Summary of Financial Condition of the City of Flint Leading to the Appointment of an Emergency Manager

In the report to Governor Snyder, dated November 7, 2011, the Flint Financial Review Team summarized the findings of the Preliminary Review conducted by the Treasury Department (August 29 – September 12, 2011) and then reported the existence of, or likely occurrence of, the specific conditions set forth in Section 13(3) of Public Act 4 2011 which led to the recommendation of the appointment of an Emergency Manager.

Preliminary Review Findings:

- The City has incurred cumulative deficits in many of its funds over several years. The unaudited 2011 cumulative deficit is estimated to be $25.7 million.
- The deficit elimination plan submitted to the Department of Treasury by city officials has not been followed and the general fund deficit has increased and is now estimated to be approximately $11.0 million.
- The general fund expenditures have exceeded revenues since 2007.
- The City relied upon transfers from the water supply and sewage disposal fund for general city operations.
- City officials also borrowed from other funds to compensate for cash shortages including the public improvement fund, the local street fund and the self insurance fund.
- The City continued to experience a cash shortage.
- The City's ability to pay short term obligations was uncertain.
- The pension system was less than 60 percent funded.
- City officials failed to make staff reductions in accordance with the deficit elimination plan.

Flint Financial Review Team Findings:

- The City has a general fund deficit of $14,621,546 as of June 30, 2010 which was not eliminated within the two year preceding period.
- The City previously submitted a five year deficit elimination plan for a cumulative general fund deficit of $7,046,820 as of June 30, 2008. However, by June 30, 2010 the cumulative general fund deficit had grown to $14,621,546. An updated plan submitted for 2010 does not purport to eliminate the cumulative deficit until 2030 and that relies upon the issuance of an additional $12 million of debt in 2013.
- A structural operating deficit existed in the general fund as of June 30, 2007, 2008, 2009, 2010 and the general fund is projected to have a $6,768,864 deficit as of June 30, 2011.

Background (Pre-2011)

Several conditions developed over a period of decades to place the City of Flint in a situation of chronic fiscal stress. The major employer, General Motors, significantly reduced operations in Flint (in 1978 GM employed over 80,000 people, by 2006 employment totaled 8,000). The population of the City declined 18 percent between the census of 2000 and 2010. Owner occupied housing decreased from a high of 73.1 percent in 1960 to a 2010 low of 44.7 percent. The jobless rate for the 2010 annual reporting period was 23.2 percent. State Shared Revenue which accounts for 31 percent of the General Fund decreased 13 percent over the past five years.

In addition to the above noted reduced State Shared Revenue, the City's two other sources of revenue, property tax and income tax, have both suffered significant reductions. Between 2006 and 2011, property tax revenue has decreased 33 percent and income tax revenue has decreased 39 percent.

As revenue decreased, the City of Flint implemented numerous cost controls. The workforce has been reduced by 50% since 2001; yet the total cost of wages, benefits, and retiree premiums have continued to increase. Note that the liability for services already rendered is essentially a fixed cost which is now borne by fewer active employees and reduced city revenues.

Note: the statistics quoted above are taken from the report by Eric Scorsone, Ph.D. titled "Long-Term Crisis and Systemic Failure: Taking the Fiscal Stress of America's Older Cities Seriously Case Study: City of Flint, Michigan" dated September 2011.

Goals

The overall goals for the City are:

1. long-term financial stability;
2. an increase in revenue base to provide quality services to its residents;
3. a reduction in government costs through negotiated union contracts, consolidation and shared services, private sector contracts, and ongoing professional development of staff;
4. continue to maintain and modernize the infrastructure of the city in alignment with the current population counts;
5. to streamline the processes necessary for businesses to locate, and continue operations, in the city;
6. to utilize the Master Plan to stabilize and then increase both the commercial and residential base of the city;
7. to provide public safety services, focusing on reducing violent crime, commensurate with cities of comparable size and resources;
8. to focus attention on blight reduction efforts to improve the overall aesthetic environment of the city;
9. to do all things necessary to establish a Flint City Charter Commission, and participate through internal review and recommend changes.

Planning Process

The City of Flint was determined to be in a financial emergency by the Flint Financial Review Team as noted in the above section: **Summary of Financial Condition of the City of Flint.** On November 1, 2011 Governor Rick Snyder appointed Michael K. Brown as Emergency Manager. EM Brown developed a Financial and Operating Plan utilizing the resources of a five person Advisory Committee as well as five additional advisory committees. The EM sought broad expertise to ensure public engagement and to maintain a sense of continuity with the Mayor and the City Council. In fact, all nine Council Members and over fifty other citizens participated in the advisory committees.
The Advisory Committees are:

- Finance/Administration – Chair Armando Hernandez,
- Public Safety – Chair Diana Kelly,
- Infrastructure/Development – Chair George Wilkinson,
- Grants/DCED – Chair Sue Peters,
- Pension and OPEB Underfunding – Chair Ed Kurtz.

The EM's Financial and Operating Plan was updated in the Emergency Manager's June 1, 2012 report to the State Treasurer.

On August 8, 2012 Edward J. Kurtz was appointed as Emergency Financial Manager. Following this, a new Advisory Committee was established and the State Treasurer approved

these individuals to serve on the City of Flint Emergency Financial Manager's Advisory Committee:

Mayor Dayne Walling	Kenyetta Dotson
Reverend Phillip Thompson	Tim Herman

Since then, Rev. Thompson has asked to step down for personal reasons and Mr. Kurtz has asked four others to serve as well: Dan Cady, Armando Hernandez, Adam Thomason and Reverend Timothy Stokes.

The Emergency Financial Manager has utilized the Advisory Team, the City of Flint Management Team and the August 8, 2012 update of the Financial and Operating Plan to provide this revision to the Financial and Operating Plan for Fiscal Year 2013.

Management appointments have been made to ensure that the essential services necessary for the public's health, safety and welfare are assured and to continue to conduct all aspects of the City of Flint's operation within the resources available. Any employment contracts were extended with the approval of the Treasury Department.

It is important to point out that early in 2012 under Emergency Manager Michael Brown immediate steps were taken to reorganize city government operations including; elimination of departments, consolidation of departments, elimination of management level positions, as well as adjusting compensation of elected and appointed officials.

Actions Taken To-Date (Emergency Financial Manager 8/8/12 – current)

ORDER No.1 PROCEDURES FOR PURCHASING
Requests to procure goods and services, in any amount, are to be forwarded to the Purchasing Department for processing. Departments shall not procure any goods or contract any services without the proper authorization from the Emergency Financial Manager or Purchasing Department. Any procured goods or contracted services made without proper authorization shall not be approved and the City shall not be bound.

ORDER No.2 PROCEDURE FOR SUBMISSION OF RESOLUTIONS AND ORDINANCES
The procedure is described for the submission of resolutions and ordinances; effective immediately.

ORDER No.3 BUDGETARY OVERSIGHT & TERMINATION OF LINE ITEM LEVEL
All City officials, department heads and division heads shall adhere to the prescribed budgetary guidelines and responsibilities.

ORDER No. 4 ADVISORY COMMITTEE
Pursuant to the Contract for Emergency Financial Manager Services signed by the Local Emergency Financial Assistance Loan Board on August 8, 2012, the Emergency Financial

Manager shall appoint an advisory committee consisting of three to five members to provide advice and counsel regarding the Manager's decisions and actions to resolve the City's distress. The Emergency Financial Manager shall meet with the advisory committee regularly, but no less frequently than monthly. The Emergency Financial Manager has recommended and the State Treasurer has approved the following individuals to serve on the City of Flint Emergency Financial Manager's Advisory Committee:

- *Mayor Dayne Walling*
- *Kenyetta Dotson*
- *Reverend Phillip Thompson*
- *Tim Herman*

ORDER No. 5 CITY TREASURER AUTHORIZED TO CORRECT ASSESSMENTS OR FEES IF PROPERTY OWNER ENTITLED TO WAIVER
The City Treasurer is authorized to make the necessary correction to an assessment or fee that was placed on the tax roll in the event it is determined that property owner is entitled to a waiver, including, but not limited to combination of parcels.

ORDER No. 6 OVERTIME
Based on the foregoing, all overtime must be directly approved by the department head in advance, with the exception of emergency overtime that can be clearly documented. In the Police Department, requests for overtime should be directed to Chief Alvern Lock. In the Fire Department, requests for overtime should be directed to Public Safety Administrator Barnett Jones.

Order No. 7 CITY COUNCIL ADOPTION OF AMENDMENT TO RENTAL INSPECTION ORDINANCE IS NULL AND VOID
City Council adopted Ordinance No. 3826 without the approval of the Emergency Financial Manager, as required by Public Act 72, and without the approval of the Chief Legal Officer, as required under Flint City Charter 4-602.

ORDER NO. 8. POVERTY EXEMPTION TO STREET LIGHTING SPECIAL ASSESSMENT
Individuals who qualify for relief from property taxes may also, upon request, be provided relief from street lighting special assessment.

ORDER NO. 9 INVALIDATING COUNCIL ACTION
A City Council Resolution was ordered null and void because it was adopted in violation of Flint City Charter 4-602 and it violates Public Act 72 by usurping the authority of the Emergency Financial Manager.

DIRECTIVE 1 (Amended) CITY COUNCIL INVESTIGATIVE AND SUBPOENA POWERS
With respect to issuing subpoenas or conducting investigations, City Council has no budget, may make no expenditure or use of City resources, and may not use City staff to carryout such activities.

All Departments

Department Management reconfigurations were completed in anticipation of reduced staffing levels as provided in the FY(13) Budget. (See Attachment # 1 Organizational Chart)

Financial/Administration/IT

Cash Flow FY13 as of December 2012

Cash flow has improved with the receipt of revenues from the public safety millage, street light assessment, and waste collection fees. Pooled cash on hand is in excess of $25 million, compared to $13 million as of December, 2011. However, the General Fund still relies heavily on borrowed cash as a result of its $19 million accumulated deficit. This cannot be resolved without borrowing, as stated in the 2011 Deficit Elimination Plan.

FY13 Budget Status as of December 2012

The FY13 budget was balanced without projected deficit spending. As of December 30, 2012, revenues and expenses are generally on target. The budget was amended in December to reflect some adjustments to revenues and expenses, including the proceeds of the voter approved millage for police and fire protection, projected revenues and expenses for the operation of the City lock-up; and the extension of a public safety grant from the Mott Foundation which provides continued funding for 11 law enforcement officers as well as 9 Neighborhood Safety Officers.

Income tax revenues appear a little soft, and continue to be monitored, and discussions are underway to address significant over expenditures in Fire Department overtime.

Revenues and expenses in the water and sewer funds appear to be on target.

Monitoring grant expenditures and receipts continues to be problematic, but is improving.

Development of a budget which moves the City toward financial stability was accomplished with the FY13 budget. FY13 began July 1, 2012.

The process of implementing the FY13 budget is continuing. It is balanced realistically, and encompasses significant revenue increases and expenditure reductions. The process started with a projected gap of $25 million between projected revenues and projected expenses. The result was a total budget of $192 million, of which $82 million is sewer and water; $58 million is General Fund and $30 million is federal CDBG.

The budget encompassed expenditure reductions which included the elimination of nearly 150 positions (20% of the workforce); employee concessions including a

restructuring of health and pension benefits and employee costs; and various organizational changes.

On July 1, new health care plans for active employees was put in place, as well changes in pension benefits. Health care plans for retirees began on August 1, 2012 for pre-65 retirees; this was followed with changes for Medicare-eligible retirees on September 1, 2012. The City has been sued in Federal District Court, but no decisions have resulted to date. If the City is precluded from implementing these changes in health care for retirees, there will be a projected (unbudgeted) increase in expenses of $3.5 million in FY13.

For future employees, city retiree health care will no longer be an option, and the traditional defined benefit pension plan for non-police and fire employees will be replaced with a hybrid pension plan. There are also numerous changes which increase management flexibility and reduce other employee costs.

The budget also implements new revenues in order to provide the level of revenues still needed – in spite of expense reductions – to continue the marginal level of city funded public safety personnel and basic city services. These revenues include numerous fee increases; a $143 annual fee for waste collection (replacing a dedicated 3 mill tax levy); a $62 special assessment fee for operation, maintenance, and improvement of street lights (in the past this was a $2.85 million general fund expense); and an overall 25% increase in water and sewer rates (12.5% water; 45% sewer). Unfortunately, the reliance on fees and assessments will create hardship for many of the City's residents. However, the choices for increasing revenues at this time were limited.

If the budget can be implemented as planned, a significant objective - not spending more than the City takes in - will be accomplished, and will have done this while avoiding public safety reductions.

However, the City faces several legal challenges. While the challenges may not be sustained in the long term, any impediments to implementing the budget will have severe financial impacts.

For example, legal challenges which prohibit the City from implementing revenue increases or expenditure decreases will require immediate actions to further reduce spending – including public safety – and may impact the City's ability to function at an adequate level, particularly in light of the marginal cash flow.

Potential challenges the City may face from budgetary perspective include ones associated with the numerous rate increases incorporated into the budget, changes in retiree health care, and the unilateral implementation of changes to three collective bargaining agreements. It should be noted that through the Emergency Manager the

City of Flint was able to reach tentative agreements with three of the six bargaining units. To this point, the City was recently sued over the implementation of increased water and sewer rates, by the President of the City Council et al. This is a prime example of litigation that could impede the COF's ability to maintain fiscal solvency. With regard to the water and sewer rate lawsuit brought by the President of the City Council et al, the City filed a motion to dismiss this suit and a decision is expected in early February 2013.

Audit 2012

The Comprehensive Annual Financial Report (CAFR) for FY12 was completed and has been filed with the state in a timely manner. The results were as expected, with fewer auditor comments than in past years. Deficits exist in the General Fund ($19.1 million) and in the Water Fund ($8.8 million).

In the FY 13 budget document, prepared in April, 2012, the accumulated deficit for the FY12 General Fund was projected to be $18.1 million. However, this projection did not include the $1.54 million write down for the value of Genesee Towers. Adding the write down to the projected deficit of $18.1 million would have resulted in a total of $19.7 million.

In the FY12 CAFR, the amended budget projected a deficit of $16.3 million. However, this projection did not include the $1.54 million write down for Genesee Towers. It also included $739,406 in federal grant revenues and $602,192 in local revenues which did not materialize. Taking these items into consideration, the deficit projection would have been $19.2 million.

The $19.1 million accumulated deficit reflected an excess of expenditures in the General Fund for FY12 of $11.1 million. This was anticipated by the Emergency Manager shortly after being appointed, which was almost six months into the FY12 year. Given that FY12 was nearly half over, and that significant unplanned reductions in services, primarily public safety, would need to occur if the projected deficit were to be immediately eliminated, the decision of the Emergency Manager, in consultation with Treasury, was to contain costs as much as possible but without significantly reducing services – especially public safety - for the balance of the year. Instead, focus was concentrated on developing a budget for FY13 which would move towards restoring Flint to long term financial solvency. It was projected that as a result of this decision, the deficit for FY12 could be as much as $12 million, resulting in an accumulated deficit of $20 million.

The deficits identified in the City's Comprehensive Annual Financial Report for FY12, the year ended June 30, 2012, are follows:

General Fund -	$ 19,184,850
Water Supply Division -	$ 8,758,091
Economic Development Corporation	$ 119,439

Financing the Deficits

In April 2012 the Emergency Manager filed a 2011 Deficit Elimination Plan focused on the accumulated deficit as of June 30, 2011. That plan indicated the City's intent to request authorization to borrow approximately $9 million in Fiscal Stabilization Bonds in order to address the accumulated General Fund deficit once a credible FY13 budget was in place. The 2011 Deficit Elimination Plan was approved by the State. On May 24, 2012 the City filed an application for borrowing with the State Administrative Board, and the Department of Treasury has issued a memorandum stating that the request satisfies the necessary statutory requirements. At this time, Treasury has not authorized the borrowing as proposed in the 2011 Deficit Elimination Plan.

While this borrowing request addresses the accumulated FY11 deficit, there was an additional deficit at the end of FY12. It is estimated at this time that an additional $10 million will need to be financed in order to address the FY12 deficit. However, if the FY13 budget is implemented as it was adopted, there should be no additional General Fund deficit. There will be ongoing deficits in the water and sewer funds, but only as related to unfunded OPEB liabilities.

The City is currently working on a 2012 Deficit Elimination Plan. A Deficit Elimination Plan addressing the accumulated $19.1 million deficit in the General Fund and the $8.8 million deficit in the Water Fund will be filed shortly. The plan for the General Fund will be as outlined in the 2011 Deficit Elimination Plan. While it is simply not possible to eliminate this deficit without bonding, it is the preference of the Emergency Manager that any "one time" revenues should be applied directly to the deficit.

The FY13 budget anticipated initial debt service for the FY12 accumulated deficit, and appropriate amounts will be set aside in the FY14 budget.

The deficit in the Water Fund is less than the unfunded OPEB liability, and since the City is not financially able to begin funding its OPEB liabilities overall, there is no reason to raise water rates to cover this amount.

In addition, the City's approach to containing its OPEB liabilities has been to restructure its active and retiree health care benefits, and to eliminate the promise of retiree health care for new employees. The changes have had a significant impact on the City's OPEB liabilities, reducing the total unfunded liability from nearly $900 million to less than $400 million, and reducing the Annual Required Contribution (ARC) from $60 million to $22 million.

Labor Agreements

During the tenure of EM Michael Brown, Labor Counsel held meet and confer sessions with the City's six bargaining units. A target of 20% equivalent wage

reductions was achieved. Tentative Agreements were reached with four of these bargaining units. As contract settlement was necessary prior to adopting the FY13 budget, the EM invoked the 19K provision in Public Act 4 from the State Treasurer for the bargaining units which had not achieved Tentative Agreements (EM Orders 18 and 26) and with Local 1799 which had approved a TA but had not ratified (EM Order 27).

EFM Edward Kurtz has held additional sessions with AFSME, Flint Police Officers Association (FPOA) and the Firefighters Union. In January 2013 AFSME and the City reached agreement for the privatizing of waste collection and demolition. FPOA has notified the City that they have files a lawsuit to return to arbitration. FPOA is asking for a return to the status quo (prior to EM imposed contract). The Firefighters Union and the City are working on overtime containment.

Economic Vitality Incentive Program (EVIP) Requirements and Activities
The City of Flint has met all reporting requirement dates for Economic Vitality Incentive Program (EVIP) in order to qualify for all disbursements of State Shared Revenue. Each report is available on the City's website www.cityofflint.com through Munetrix Citizens Guide to Finances and Dashboard.

The City contracted with Plante Moran to conduct a study to evaluate the potential of shared services between the City and Genesee County treasury functions. This study has been funded by the Mott Foundation.

Income tax processing is being handled through a joint project with the Cities of Grand Rapids and Lansing.

The Treasury Department has also created the Competative Grant Assistance Program (C-GAP) as a means of encouraging shared services implementation. The City of Flint participated in five C-GAP applications which included Human Resource Hiring and Management system sharing with the Genesee Intermediate School District and Genesee County; a fiber optic cable expansion also with Genesee Intermediate School District and Genesee County; Criminal Justice system and Courts Electronic Workflow Initiative with Genesee County, City of Flushing and plans for expansion throughout Genesee County; a Genesee County Regional Purchasing Collaborative with Genesee Intermediate School District and Genesee County; and a proposal to expand and strengthen the 9-1-1 communication tower system with the City and the Genesee County 9-1-1 Consortium.

Transition of Flint Employee Retirement System (FERS) to Michigan Employees Retirement System (MERS)
The FERS to MERS transition nears completion. Retirees have been receiving their monthly checks from MERS since October 18 2012. Final data transfers are expected to be completed in February 2013.

Prescription Drug Program

City of Flint has suspended the planned implementation of a modified prescription drug program which requires the issuance of a generic drug unless a name brand drug is determined to be medically necessary. This action resulted due to a lawsuit, Yurk et al. v. City of Flint, pending in Genesee County Circuit Court before Hon. Archie Hayman. Judge Hayman granted a temporary restraining order and has completed a hearing on plaintiffs' motion for preliminary injunction. However, the court took the motion under advisement and has not issued a decision.

Dependent Eligibility Audit

The Risk Management Office has completed the process of conducting a dependent eligibility audit Three hundred eighty-one dependents were identified for removal from the City's health plans. This reduction is estimated to save $1.3 million in the first year.

Administrative Reorganizations

The City of Flint Human Relations Commission (HRC) has been reorganized to address constituent and citizen services. This reorganization was developed in relation to elimination of departments (Ombudsman and Civil Service Commission), as well as reductions in executive staff. The HRC will now be the First Stop Office at City Hall with a focus on prompt citizen response.

Prior to the start of FY13 the Information Services Department eliminated all but two of the existing positions. Through reorganization, 6 of 9 employees were rehired under new job descriptions. The new structure allowed more flexibility and greater utilization of personnel. Several large scale projects are nearing completion including: installation of a back-up server for Public Safety and 911, installation of new switches which will allow for a more complete use of Public Safety's data collection and record keeping systems. Other projects are on track, primarily the system upgrade of the BS&A ERP. Several legacy projects are nearing final milestones: installation of a new visualization server cluster, installation of 300 new desktop terminals and a cost savings pump station automation project.

Infrastructure/Development

Waste Collection

In early February 2013, the Infrastructure Department signed a contract with a private waste collection company. The City of Flint will no longer collect or dispose of household waste. It is expected that the fee for waste collection service will continue to be billed and collected by the City.

Water Issues

The City has been working closely with the Department of Treasury to come to a final decision on the long term source of water for the City of Flint. The final two choices

are between signing a 30 year conforming contract with the Detroit Water and Sewerage Department (DWSD) or joining the regional Karegnondi Water Authority. A final decision is expected in February 2013.

U. S. Department of Environmental Quality S2 Grant

An S2 DEQ grant to study infrastructure condition for water pollution control was accepted. The study was defined to encompass the City's entire sanitary sewer system including the overall collection system, the capacity and condition of the system, potential upgrade recommendations to the lift stations and the pumping stations, and to make recommendations for necessary investments to maintain the system.

U.S. Department of Energy Grant

The Department of Energy notified the City of Flint in November 2012 that the Energy Efficiency and Conservation Block Grant (EECBG) has expired. The expiration of the grant resolves the necessity to continue any negotiations related to the grant at this time. The expiration did not constitute a termination for cause or involve any other adverse finding.

Golf Courses

Three of the city's four golf courses were leased to private organizations. Two courses were operational summer 2012 and three are expected to be open during the summer of 2013.

Senior Centers

The Pierce Senior Center closed on April 30, 2012 as funding was no longer available. The City of Flint continues to explore our options with the two open Senior Centers, as RFP's were issued in the fall of 2012. Talks continue with potential vendors as well as the County Officials for the future of these Centers. A time frame of May is the goal for a new vendor to take over the day-to-day operations at both Brennan Center and Hasselbring Center.

Smith Village Development

The Smith Village housing project is funded primarily with HUD and NSP2 grants. Phase I, which includes 30 housing units, has been completed as scheduled. HUD has determined February 10, 2012 was the goal to expend 50% of the allocation. The Smith Village housing project has met that development goal.

On May 18, 2012, the City announced that Phase II of the Smith Village development will be undertaken by Ginosko Development Company and Rohde Construction Company. Ginosko's site plan was approved by the Flint Planning Commission on May 22, 2012.

Smith Village Phase II is scheduled to complete 25 homes by February 28, 2013. The developer is on-track to meet that deadline. Nine homes built by the new

developer will be completed by March 30, 2013. 21 Occupancy Permits have been received for homes in Phase I. Ten of the completed homes have purchase agreements and five mortgage closing are schedule to take place by February 28th. In the Spring the contractor will complete three more homes which will bring the total completed to 42. As sale proceeds become available, up to an additional 5 units can be built.

Master Plan

The City of Flint continues to make progress on the preparation of its first comprehensive Master Plan in fifty years through a $1.5 million HUD Community Challenge Planning Grant. As a result of this grant, a Chief Planning Officer and two Associate Planners have been hired. These staff members coordinate monthly Steering Committee meetings and convene an additional six resident-led advisory groups containing up to 162 individuals to discuss the Master Plan with Flint residents. In total, staff has attended or held seventy-one community meetings, reaching approximately 1,850 community stakeholders. A website, www.imagineflint.com, and a Facebook page, City of Flint Master Plan has been established to inform citizens about the planning process and to gather input.

Staff was able to secure grant funds from the C.S. Mott Foundation in the amount of $263,804, and the Ruth Mott Foundation in the amount of $50,000. The City also applied for and received a grant in the amount of $13,500 from the Community Foundation of Greater Flint for the preparation of a comprehensive report on integrating local food systems into the Master Plan. A draft report on Local Food was completed in December and will be used to educate the public on this issue.

Planning staff collaborated with the Community Foundation of Greater Flint to provide $500 mini-grants to neighborhood groups in low-income areas that complete a housing conditions inventory. Tailoring a training from Data Driven Detroit, staff trained 28 neighborhood groups to conduct this inventory covering approximately 60% of the City. As a result, the City was able to complete an updated Housing Conditions Map of the entire City. This data is already being used to better target demolition resources. In fact, staff recently worked with the Genesee County Land Bank, Genesee County Metropolitan Planning Commission, and Flint Community Schools to develop a proposal for $5 million to demolish the City's and County's most blighted properties through the Michigan Blight Elimination Grant Program.

From April through December 2012, staff undertook the task of data collection, culminating in an interim Existing Conditions Report. This report contains both quantitative demographic and economic data and qualitative data gathered through community workshops reaching approximately 700 individuals including an additional twenty-one key in-person interviews. The Existing Conditions Report was unveiled to the Steering Committee at the January 15' 2013 meeting and has been posted to the project website. This Existing Conditions Report will be used to frame

the large Vision and Goals Workshop planned for March 9, 2013, which will involve between 300 and 500 stakeholders in developing our Master Plan framework using the consensus building approach of America Speaks.

The city is pursuing an aggressive schedule of document development with the goal to present a draft version of the master plan to the city planning commission for consideration by Fall 2013.

U. S. Department of Housing and Urban Development Monitoring
After the February 2012 HUD Monitoring of the HOME Program, The City of Flint received notice from HUD that it has capacity to run the HOME program.

In the City of Flint 2012 Single Audit, DCED will have one finding related to the resolution of the OIG audit for 2010. In the 2011 Single Audit, under the previous administration, there were 8 findings.

In September 2012, HUD headquarters in Washington D.C. monitored the DCED ARRA Homeless Prevention and Rapid Rehousing Program and stated that the City of Flint established a comprehensive and well coordinated program for providing homelessness prevention assistance for its residents and that the City's HPRP Policies and Procedures Manual was well thought out.

In December 2012, HUD notified the City of Flint, in its Comprehensive Annual Performance and Evaluation Report (CAPER) that it met its timeliness ratio and expenditure requirement reaffirming their confidence in DCED's capacity to administer federal programs.

Real Estate Transactions
In August 2012 the City of Flint sold the Genesee Towers to Uptown Redevelopment Corporation for $1 and committed $750,000 CDBG dollars toward the over $4 million cost of demolition. Genesee Towers has been a liability for the City since December 2010 when the city assessed a one time millage to cover the $9.0 million judgment. This transaction has not yet been finalized due to title issues.

A quit claim deed for Chevy-in-the-Hole site has been transacted between the EDC and the City of Flint. EPA money for clean up has been agreed upon.

Facilities
An private company held an on-line auction in January 2013 to dispose of surplus equipment from a variety of departments in the City. This one day auction netted $130,000. Future auctions of surplus equipment will be held in a similar manner.

Public Safety

A Police and Fire Protection Millage request for 6 mils for 5 years was placed on the November ballot and was approved by the electorate. This will begin the process of stabilizing both the Police and Fire Departments. The City is currently in the process of interviewing to hire ten new police officers.

A Public Safety Plan was introduced to the public on May 4, 2012. This plan addresses Police and Fire department organizational plan, operation of the lock-up, transition to 800 MHz communications system and the formation of the Criminal Justice System Advisory Council.

In June 2012 the Police Department changed to a 12 hour shift operation within a four District Patrol plan. These changes, in combination with the expansion of alternative call response procedures (including the introduction of the on-line CopLogic reporting system), have resulted in the continuing reduction in response times to 911 calls.

The City completed change over to the 800 MHz communication system for Police and Fire Departments before the December 31, 2012 required implementation date. The installation of a point to point microwave link with the Genesee County 9-1-1 Consortium tower system is yet to be completed.

The Public Safety Department recommended selection of the Genesee County Sheriff as the operator of the Flint lock-up. The lock-up opened the week of October 1, 2012. A number of policy issues arose and have been resolved. In just December 2012, 679 individuals were lodged in the lock-up.

Based on input from the State Police, Governor's Office and a Michigan State University Criminal Justice Study, it is clear that the Genesee County Criminal Justice System and the Flint Police Department could benefit from improved coordination and policy development. In September 2012 the first meeting of the Criminal Justice System Advisory Council (CJSAC) was held. Eight workgroups were established. Through these work groups a number of cooperative projects, streamlined operations and new collaborations have been identified; these were reported at the second CJSAC meeting in January 2013. A Treasury Department C-GAP application was originated and submitted through this process.

In June 2012, the City received a 6 month grant renewal from the C. S. Mott Foundation for the Community Policing grant which has funded 10 officers and 1 sergeant. The grant also includes other criminal justice system personnel support, including the addition of Neighborhood Safety Officers who would be responsible for enforcement of blight violations, vehicle ticketing for impound and other neighborhood duties. This grant was submitted in conjunction with the Michigan State University School of Criminal Justice Training and Assistance team. The MSU team will assist the City in implementing several phases of the

Public Safety plan. In December 2012, the Mott Foundation extended this grant for an additional 6 months which will provide funding through the end of the FY13 budget.

The City of Flint is continuing its existing collaborative efforts with regional partners. Examples: Flint Area Narcotics Unit, Safe Streets Task Force, and U.S. Attorney's Office Zero Tolerance gun violence reduction initiative, LifeLines (formerly known as CeaseFire), and other programs to help eliminate gang activity and prevent other violent acts.

A protocol was finalized for the transition to the Genesee County Sheriff's Department to handle the paramedic calls in the City of Flint. This millage is now being managed only by Genesee County. Completion date was July 1, 2012.

The FEMA funded SAFER Grant which supports the wages and benefits of 39 firefighters was renewed on June 10, 2012 for two years. The new grant totaled $6.9 million. It is very rare that a city would be awarded a full funding request in back-to-back granting periods.

Projects in Progress

The Emergency Financial Manager has determined that the projects noted in the following list are the top priorities:

1. KWA Decision	February 1
2. Waste Collection Operation – complete transition to private firm	March 1
3. Complete Demolition Plan/Contracts for 600 properties	February 8
4. Complete construction at Smith Village	September
5. Contract/Commit all HUD funds (DCED, NSP2 and 3)	September 30
6. 911 merger study	April
7. SBI decision	March
8. Begin FY14 Budget Process	mid-February

Financial/Administration/IT

The budget process for FY14 has begun. Each department has been required to develop detailed organizational charts, goals, objectives and performance measures which will be an essential step in planning a five year budget. The five year budget will be a framework for long term planning.

The city will continue to review all departments and services for potential merger, consolidation, contracted service, shared services with other governmental entities, privatization or elimination. As a result of this review determine if these functions should be subsidized with general property tax dollars, what will be paid by the users and what services can be eliminated.

Continued reduction in personnel has strained the capability of departments to complete compliance and reporting work. Both short and long term vacancies create knowledge deficits which are becoming most difficult to overcome. This will be exacerbated as further staff reductions are required.

Cash flow, which was identified in the audit as an area of ongoing concern, has been reviewed. The situation continues to be monitored to assure sufficient cash to pay for current expenses, and options for long term solutions will be developed.

The water and sewer rate increases appear to have been nearly sufficient (within $700,000) to cover current operations in the Water Fund, exclusive of OPEB liabilities. Future rate increases are probable. The decision on water sourcing – DWSD vs KWA – is of significant importance.

The Finance Department is also proceeding with the following projects:

- implementation of a Procurement Card system and the associated changes to the City's Purchasing Policies,
- completion of the update of the pension and OPEB liabilities,
- continued aggressive monitoring of revenue and expense activities as compared to the FY13 budget, with particular emphasis on revenue collections, position counts and overtime expenditures,
- planning and implementation of employee development programs focusing on financial management, supervision and labor relations, and leadership development.

Review the process for all grants to the City of Flint for appropriate use of funds, potential for continued funding, and timely reapplication.

Risk Management Office is reviewing various Employee/Retiree health care options including plan design, delivery systems, Medicare Advantage, Medicare Wrap Around, benefit carve-outs, etc. in an effort to control health care costs

The City Attorney is continuing with efforts to improve litigation management through claim evaluation, claim reporting, attorney training and trial preparation. The City Attorney continues to emphasize the "litigation team" approach to case handling, with weekly review of pending matters and discussion of how best to protect the City of Flint's legal interests.

The City currently funds the operation of the 68th District Court; in FY13 this amounts to $5.4 Million - which comprises 9.2% of the General Fund Budget. The percentage of General Fund expense allocated to District Court has increased about 1.2% as compared to five years ago. It is anticipated that this percentage will again increase .5% for FY14. (This is a very rough estimate). This significant portion of the City's General Fund needs to be studied closely and recommendations developed to meet this required activity while containing and reducing costs. The EFM strongly encourages the State to continue the process of working to consolidate the 67th and 68th District Courts.

Infrastructure/Development

Water and Sewer Services

As part of the current budget process an evaluation is being made of what efforts can be employed to create an effective Preventive Maintenance plan which focuses on controlling water loss (leakage). This is expected to involve a combination of outsourcing, in-house work, and shared services with the County.

Discussions have begun with the Genesee County Drain Commissioner on a wide range of shared services and partnerships for both water and sewer operations.

The automation of one of the City's pump stations (which is currently staffed 24 hrs a day) has an expected completion date of June 2013. This will result in the elimination of overtime and a savings of over $500,000 annually.

The planned shutdown of the City's incinerator has begun with engineering plans for a new load-out facility and is expected to reach completion in approximately 8 months. The estimated savings is $400,000 annually.

A new storm water ordinance that shifts the cost allocation to the larger users is in process of being developed.

Transportation

Discussions have started with the County Road Commissioner on possible shared services.

Both road paving and engineering are seasonal activities and these are at ever decreasing levels. These are under review as areas to downsize or eliminate. Consideration is being given to developing service sharing arrangements or creating the ability to source on an as needed basis.

Outsourcing of Sanitation is now complete and the process of establishing city composting is underway with a permit application to DEQ submitted and a site plan of action being prepared for the EPA.

Parks and Recreation and Facilities
The City has identified at least one vendor who has shown the capacity to mow all of the city parks (64) multiple times at a rate that fits the current millage. An RFP is being issued for procurement in mid-February.

All city owned facilities are under review for energy savings, revenue generation from tenants, or possible liquidation.

Department of Community and Economic Development
With the end of the Federal NSP program in sight, the City has begun evaluating the management needs of the department and what can be outsourced or become a shared service. This evaluation should be complete and in place by the beginning of fiscal year 2014.

The Emergency Financial Manager has challenged each department to complete the use of HUD, CDBG and/or other grant funds within the grant guideline spending period.

Collaborative economic development efforts are underway with the Genesee Regional Chamber of Commerce to attract and retain businesses; and to receive and apply new tools such as the Next Michigan Development Corporation and Smart Zone designation. The city will continue to work with RACER Trust for brownfield development, including Buick City.

The City of Flint is challenged in its current financial condition to provide significant investment into job creation and Economic Development. However, the City has developed a unique and effective partnership with the Genesee Regional Chamber of Commerce (GRCC) which is the recognized economic development entity for Genesee County. The City receives specific community and economic development services from GRCC each year.

Public Safety

Continue to receive patrol assistance and detective assistance from Michigan State Police. Patrol assistance is a crime deterrent and increases traffic safety compliance. The detective assistance has increased the capacity for investigations within the Flint Police Department.

Continue existing collaborative efforts with regional partners. Examples: Flint Area Narcotics Unit, Safe Streets Task Force, and U.S. Attorney's Office Zero Tolerance gun violence reduction initiative, CeaseFire, and other programs to help eliminate gang activity and prevent other violent acts.

Apply new technologies and information systems to improve police efficiencies and improve targeting and effectiveness including New World, CopLogic, Shotspotter and DDACTS.

The Public Safety Administrator resigned from the City of Flint in January 2013. As the effectiveness of this position was reviewed the City has decided to pursue installing a full time Fire Chief and seek a Police administrator to complete projects associated with the Public Safety plan.

Restructure Fire Department, 911 and emergency response operations to adjust to eliminated Federal and County revenue sources. Review options for shared services, station configurations, staffing levels, contract services and technology applications.

All Departments

Review all city owned assets (both real property and capital equipment) and determine if disposal should be pursued.

Review necessary ordinance and charter revisions which would increase flexibility for department reorganization and budget flexibility.

Investigate appropriate investments necessary to achieve longer term savings, cost avoidance, and improved efficiencies.

The EFM is addressing the financial crisis and also working on meeting the many other needs of residents and continuing development of the city. Numerous grant applications have been submitted to implement a wide range of programs.
Grants submitted:

- Joint application with the Genesee County Landbank for $5 million for demolition.
- Application to Environmental Protection Agency for nearshore health and non point source pollution, watershed remediation for "Chevy-in-the-Hole" stormwater wetlands. $600,000
- Application to the Administration for Children and Families for Community Economic Development (CED) projects. $800,000
- The City of Flint is also a partner applicant in the Building Neighborhood Capacity Program (Wards 1 & 3) and Promise Neighborhood (Wards 1 & 2) which are part of the Federal Neighborhood Revitalization Initiative. ($225,000)
- The City of Flint and the Flint Farmer's Market have applied for an Urban Farmer's Market Program which provides funds to entitlement communities, in this application the request is for equipment and fees for the SNAP and Double UP Food Bucks. ($21,742)

Next Steps

- Implement department reorganizations, contract agreements, proposed shared services, mergers and consolidations.
- Manage FY13 budget compliance.

- Maintain the safety of the residents of the city during this transition and keep the citizenry informed of plans throughout this process.
- Make and implement key decisions on Infrastructure – particularly water and sewer operations.
- Develop a plan to increase revenue: income tax and other. Include potential for urban homesteading.
- Decide timing and leadership for Charter revision.

Conclusions

Significant work has been accomplished to stabilize the financial situation of the City of Flint. The whole of the organization is being restructured to reflect a smaller, leaner government operation. Services which were routinely provided are being inspected to determine if they should continue and if so, in what format. Technology solutions are often implemented to increase efficiencies but these also result in reduced opportunities to speak to a real person.

However, the Emergency Financial Manager acknowledges an on-going financial crisis. Also, the City of Flint realizes that it is a high priority to address the tremendous public safety issues through the improved coordination throughout the criminal justice system in Genesee County. Aggressive efforts are being undertaken to clarify and resolve all issues presented in this report.

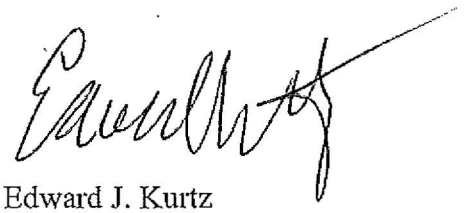
The City is also approaching the point of diminishing returns. There are only so many personnel reductions which can be made before there is no one left to manage the operation. We are approaching the limit of the City's borrowing capability. Capital improvement funds are drained.

Additionally, stable revenue is necessary in order for this city, and most other cities in Michigan, to continue to avoid a bankruptcy situation. We have asked our residents to accept a significant 6 mil Police and Fire Protection Millage and they have done so. We have imposed a street lighting assessment, a waste collection fee and tremendous water and sewer rate increases. Our residents have not enjoyed increasing services, increasing property valuations or increasing employment opportunities.

In the meantime, Flint is still struggling with effects from increased expenses and reduced revenue from decisions outside our control. These include: yet another General Motors/Delphi closure impacting over 300 jobs, the unknown impact from the changes in personal property taxes, the $120,000 cost to hold the State Senate primary election, and the $575,000 required match for MDOT projects in FY14.

We need to hear a state-wide strategy to support Michigan's cities.

Another update of this report is expected to be required in April 2013 following the appointment of an Emergency Manager with the replacement legislation for Public Act 4 implementation. Updates will also be provided as appropriate.

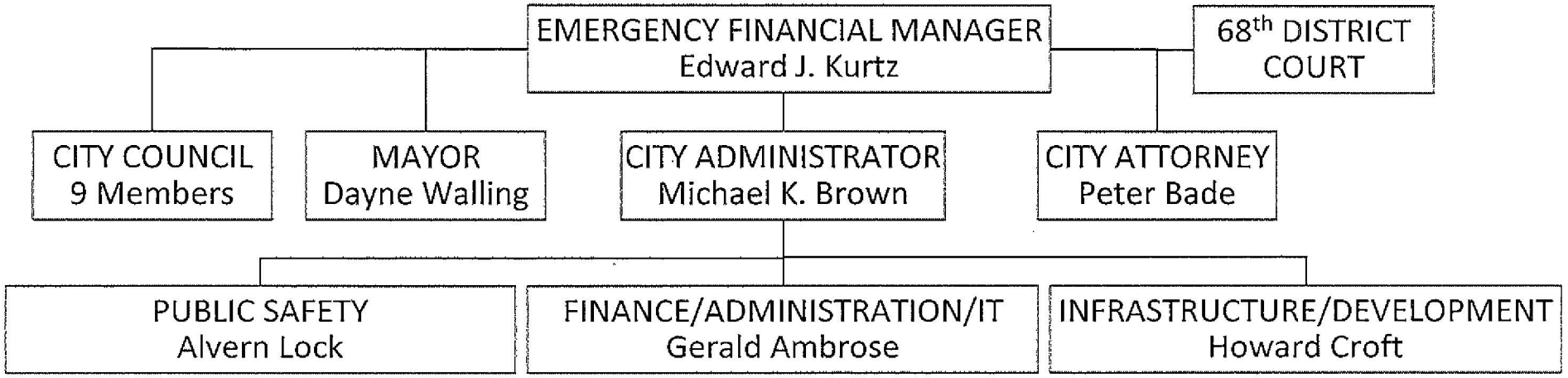


Edward J. Kurtz
Emergency Financial Manager
City of Flint

Attachments:

#1 Organizational Chart

City of Flint: Organizational Chart



- Police
- Fire
- 911

- Treasury
- Budget
- Risk Management
- Assessment and Tax Collection
- Human Resources
    - Human Relations Commission
- Information Technology
- Purchasing
- Accounting
- Pension
- City Clerk – Licensing, Permitting, and Elections

- Community and Economic Development – Planning/Zoning and Grants Management
- Development – Building Inspections, Blight and Demolition
- Facilities Maintenance
- Fleet
- Parks & Recreation and Forestry
- Sanitation
- Street Maintenance
- Transportation – Central Administration and Accounting
- Transportation – Traffic Engineering
- Transportation – Engineering
- Utilities – Water Pollution Control Facility
- Utilities – Water Service Center
- Utilities – Water Plant
- Utilities – Water Treatment Center

Attachment # 1

From: Michael Brown <mbrown@cityofflint.com>
Sent: Tuesday, September 10, 2013 4:56 PM
To: Clement, Elizabeth (GOV); Dillon, Andy (Treasury); Workman, Wayne (TREASURY); Koryzno, Edward (Treasury)
Subject: Closing Memorandum
Attachments: Closing Memorandum 091013.pdf

Good afternoon:

Please find attached my Closing Memorandum.

Thank you.

--
Michael K. Brown
Emergency Manager
City of Flint
1101 S. Saginaw Street
Flint, Michigan 48502
810.766.7346 Telephone
810.766.7218 Fax

Attachment Redacted as Irrelevant

From: Michael Brown <mbrown@cityofflint.com>
Sent: Tuesday, September 10, 2013 4:59 PM
To: Etue, Kriste (MSP); Clement, Elizabeth (GOV); Arnold, Richard (MSP)
Subject: Closing Memorandum
Attachments: Closing Memorandum with Addendum 091013.pdf

Good afternoon:

Please find attached my Closing Memorandum.

Thank you.

--
Michael K. Brown
Emergency Manager
City of Flint
1101 S. Saginaw Street
Flint, Michigan 48502
810.766.7346 Telephone
810.766.7218 Fax

September 10, 2013

To: Governor Rick Snyder, Treasurer Andrew Dillon

From: Michael K. Brown, Emergency Manager, City of Flint

Subject: CLOSING MEMORANDUM

It has been a pleasure for me to serve the citizens of Flint for the past twenty-two months and I thank you for the opportunity to serve as Emergency Manager.

I have worked hard to begin a cultural change to both improve the approach to city government's interaction with citizens and to encourage a wider range of citizen participation. It is important to me that the next generation of leaders (I have called them emerging leaders) not be from the same mold as the old leaders and have the opportunity to assume positions of responsibility as we set a path to the future for Flint. A significant number of my leadership team is comprised of Flint residents who are committed to the future of their city. While this approach has meant that some things may have taken longer to achieve than it might otherwise take, it has been with the realization that *changing the culture of City Hall is imperative if history is not to repeat itself.*

I have also tried to champion citizen participation throughout my tenure as Emergency Manager. Collectively, hundreds of people have been involved: in the Advisory Teams for Public Safety, Infrastructure, Financial, and Legacy issues which I established in January 2012; in the nine ward public meetings held in February-March 2012; in the Police and Fire Protection millage campaign in Fall 2012; and in the Master Planning process which has involved citizen participation in numerous meetings held throughout the City over the past year. I have attached a list of some of these individuals who have worked on my advisory groups and the millage team.

As our regularly submitted reports to the Department of Treasury have documented, we have made substantial progress in putting the city on a path to solvency and resolving the financial emergency. Many achievements are detailed in the latest Financial and Operating Report which was submitted to the Department of Treasury on June 30, 2013. Significant achievements over the past twenty-two months include:

A. Financial
    1. Developing, adopting and operating with a balanced budget for FY13 - the first time in seven years that the City of Flint has lived within a balanced budget.

    2. Significantly improving the City's cash flow - More than $40 million in cash on hand as of September 2, 2013 is significantly better than the approximate $10 million on hand in December 2011. The $10 million in cash at that time was due primarily to an $8 million loan from the state in the form of Fiscal Stabilization Bonds.

    3. Significantly reducing Other Post Employment Benefits (OPEB) liabilities by more than $500 million – a 60% reduction. Not only have we significantly reduced legacy costs by more than 60%, we also have a plan for further reducing legacy costs, as detailed in recent presentations to the Department of Treasury

4. Significantly reducing pension administration costs and improving investment returns by moving administration of the City's pension fund to the Municipal Employees Retirement Fund, while also changing the structure of future pension benefits which will reduce future pension liabilities

5. Developing a plan for and implementing a reduction in the City's $19.1 million deficit ahead of schedule. At the end of FY12, we presented a plan to the State Treasurer for eliminating the $19.1 million deficit within 5 years. Based on preliminary year end results for FY13, we are ahead of the scheduled reduction since it appears that FY 13 will end with a surplus of revenues over expenses by approximately $3 million. This will likely reduce the $19.1 million deficit to the $16 million range. Had the Department of Treasury authorized the borrowing of $12 million as contained in the approved FY12 Deficit Elimination Plan, the remaining deficit would now be closer to $4 million.

6. Developing a five year financial projection which maps out the continuing financial challenges Flint will face, regardless of who is in charge. With FY 14 balanced and adopted, development of the FY15 budget – which will without doubt be the most challenging of the next few years – is underway. In the process of developing the multi-year projection, it has also become clear that the path for Flint's financial solvency will require additional sources of revenue in addition to further reductions in legacy costs. We have identified a path for further reductions in legacy costs, and we have also identified an increase in the local income tax as the most promising and realistic source of new revenue. Unfortunately the Treasurer has not supported that initiative.

7. Stabilizing Police and Fire Protection revenue. Since being appointed in 2011, it has been clear that the stabilization and enhancement of public safety is the top priority in the City of Flint. Many steps have been taken to achieve this, including securing voter approval of a 6 mill property tax increase by a margin of 57% to 43%. Additionally, by ordinance the City must now appropriate no less than 55.5% of General Fund revenues for Police and Fire budgets. The FY 14 budget dedicates more than 60% of General Fund revenues to these purposes, and exceeds 80% when 9-1-1 and District Court funding is included. As a result, staffing for police and fire personnel was maintained at current levels in spite of the significant staffing reductions necessary to balance both the FY13 and FY14 budgets. Unfortunately, without a new source of revenue in FY15, it is unlikely that can continue.

8. Resolving Federal Government liabilities - More than $7 million in questioned grant costs prior to the EM's appointment in December 2011 have been resolved – as documented by the OIG report and HUD findings.

9. Reorganizing City operations – The City workforce has been reduced by more than 25% as the City has faced its financial challenges. Doing so while still providing for the delivery of city services has required restructuring work processes and organizational alignments, as well as the increased use of technology. These changes have been made in the context of a newly developed strategic plan which identifies the key functions and objectives of the City.

B. Public Safety

1. Opening of the Flint Lock-up. The lock-up opened the week of October 1, 2012. Public Safety Director Lock recommended selection of the Genesee County Sheriff as the operator of the Flint lock-up. Lock also recommended that the lock-up be made available to all policing agencies operating within

Genesee County for warrants and fresh charges, both felony and misdemeanor. Well over one thousand outstanding warrants are being cleared each month. This funding by the State has been very much appreciated and very beneficial to the City.

2. Creating the Criminal Justice System Advisory Council chaired by Chief Judge Richard Yuille. In September 2012 the first meeting of the Criminal Justice System Advisory Council (CJSAC) was held. Eight workgroups were established. Through these work groups a number of cooperative projects, streamlined operations and new collaborations have been identified and numerous projects continue to move forward.

3. Completing the transition to 800 MHz public safety communications system. All Public Safety departments were operational on the 800 MHz communications system in December of 2012. Flint Public Safety is now compatible with the communications system used throughout Genesee County and with the Michigan State Police.

4. Securing public safety grants totaling over $11 million (not including State funded Lock-up). A $6.9 million SAFER grant to employ thirty-nine firefighters for two years was received in May 2012. The Mott Foundation has granted the City over $1.8 million for several public safety initiatives. The Treasurer's Office through the C-GAP funding awarded the City $1.8 million to construct a 9-1-1 simulcast communications tower in April 2013. Homeland Security awarded Flint a total of $615,000 for 9-1-1 console upgrades and purchase of new radios for the 800 MHZ transition.

5. Up-grading Police Department technology to improve data-driven decision making and capability for overall communications with Law Enforcement agencies at all levels of government. The Mott Foundation funded MSU Training & Technical Assistance Team conducted a technology audit which provided a road map of upgrades necessary to ensure that officers and firefighters can take maximum advantage of the tools already provided to them. New World Systems, Flint's records management system, required server and switch upgrades before the New World update could be made. Each of these components has now been completed and the use of the full feature set of New World is being implemented throughout the FPD.

6. Implementing 12 hour shifts for Police Patrol Officers which put more officers on the street and vastly reduced overtime in the department.

7. Taking major steps toward the reconsolidation of the Flint City 9-1-1 with the Genesee County 9-1-1 consortium. The C-GAP grant to build the communications tower will enhance system coverage for the entire County.

8. Improving Public Safety Response Recently compiled statistics for FBI Part One violent crimes show significant improvements have resulted from the implementation of many public safety initiatives. Overall violent crime is down an average of 24% in the first six months of 2013 vs. the first six months of 2012.

C. Infrastructure (this area includes water and sewer, waste collection, roads and streets, bridges, parks, facilities as well as commercial and residential demolition targets and blight in general)

1. Stabilizing funding for water and sewer systems. This enterprise fund plunged from a $60 million dollar positive balance in 2007 to a $23M deficit in 2012. By raising water and sewer rates more than 25%, reorganizations and improving technologies we have been able to stop the bleeding and stabilize funding for the long term.

2. Significantly improving the process and cost of providing the Flint and Genesee County region with water by joining the KWA. Working with the County Drain Commissioner and others, we have begun this long awaited KWA project, which will result in several hundred million dollars in cost decreases to residents and businesses. I want to acknowledge former Emergency Financial Manager Edward Kurtz for his work and detailed analysis which brought this complicated process to a decision point.

3. Reducing costs for Waste Collection and implementing Recycling. By moving to a fee for service and contracting with the private sector waste collection vendor, we eliminated a General Fund subsidy of more than $1 million annually, and for the first time ever we are able to offer city-wide curbside recycling.

4. Finalizing the Smith Village construction project. This housing development project has languished for over ten years, important deadlines were ignored and Flint was in serious difficulty with HUD. Ed Kurtz cleaned up this tangled project, changed developers, and moved this project significantly toward its final steps. Thirty-six residences have been completed, seven have been sold and ten purchase agreements are in process.

5. Updating of City's 50 year old Master Plan Mayor Walling and Chief Planner Megan Hunter have coordinated a city-wide, tremendously inclusive planning effort. Hundreds of Flint citizens have worked on sub-committees, attended visioning sessions and worked hard to develop a plan for a revitalized Flint.

6. Reducing overtime costs in the Utilities division, by implementing new technology and reorganizations. Examples include planned elimination of the solid waste incinerator and electronic monitoring of the Third Ave. Pumping Station.

7. Disposing of unused inventory and facilities. Auctions have been used to eliminate surplus equipment and vehicles while city facilities which are no longer required and which we can not afford to operate are being sold or leased.

8. Contracting management of city golf courses and Senior Centers in order to reduce city costs and still provide access to residents.

Achieving this level of success in twenty-two months has been extremely challenging. Obstacles have arisen from many sources. The team in Flint has taken on each challenge and worked with a single-mindedness to keep Flint on the path to sustainability. We firmly believe that with continued effort, Flint City government can once again become a financially stable organization capable of delivering quality municipal services to it residents, businesses, and visitors. This route will involve continued cost reductions, investments in technology and personnel, and additional sources of revenues. The alternative of bankruptcy is not the right path – it is expensive, time consuming, and the outcome is uncertain.

There are several major issues which are currently on the horizon. The shortage of revenue to balance the FY15 Budget is the primary issue. Public Safety staffing is still at unacceptably low

levels and with current financial conditions it is likely that the number of police officers and firefighters will be reduced in order to achieve a balanced budget. This likelihood is enhanced by the pending expiration of the FEMA SAFER grant which supports the wages and benefits of 39 firefighters.

Blight is an on-going major issue in Flint. We have few resources and blight issues range from unmowed to demolition necessary properties. Flint recently received $20 million in Federal "Hardest Hit" funds to demolish approximately 1600 residences, yet we have 20,000 abandoned homes and hundreds of vacant commercial properties.

There has been disagreement within the community regarding the appointment of an Emergency Manager, about the difficult choices which were made to impose higher water and sewer rates, street lighting assessment and waste collection fees, and about other decisions. Yet, there has been no civil unrest, as threatened by a few voices. There was significant support to increase property taxes in an economically distressed city, because voters saw that this was the right choice for Flint.

With the changes of the magnitude needed to address Flint's conditions, there is no doubt controversy, disagreement, and anger can result. Often, the most vocal represent the fewest number. I have worked with many in the City of Flint who understand the severity of our condition and the scope of effort necessary to address it. If you have questions about the support given for the direction I have taken to restore Flint to financial solvency, I offer the names of the following citizens for you to contact:

1. Sheryl Thompson, former DHS Director
2. Lawrence Moon, CEO Moon Funeral Home
3. Clarence Pierce, CEO Hamilton Community Health Center
4. Tim Herman, CEO Flint Genesee Chamber of Commerce
5. Dick Shaink, President Mott Community College
6. Kenyetta Dotson, local neighborhood activist
7. Diana Kelly, Building Neighborhood Partnerships Coordinator
8. Ravi Yalamanchi, CEO Metro Community Development
9. Ruth Person, Chancellor University of Michigan-Flint
10. Phil Peters, CFO, Charles Stewart Mott Foundation
11. Jamie Gaskin, President, United Way of Genesee County
12. Pastor Rodney Stokes, chair of our public safety millage campaign
13. Pastor Phil Thompson, member of my Advisory Council
14. Pastor George Wilkerson, Chamber of Commerce Staff
15. Steve Landaal, CEO Landaal Packaging
16. John Henry, Executive Director, Flint Institute of Arts
17. Bob Emerson, volunteer adviser
18. Bill White, President Charles Stewart Mott Foundation
19. Judge Judith Fullerton
20. Superintendent Larry Watkins, Flint Community Schools
21. Melanie Gavulic, CEO Hurley Medical Center
22. Donald Kooy, CEO McLaren Health Systems – Flint
23. Edward Kurtz, CEO Baker College Corporation, former EFM (2x)
24. Armando Hernandez, Vice-president Security Credit Union
25. Elizabeth Aderholdt, CEO Genesys Regional Medical Center
26. Duane Miller, COO Flint & Genesee Regional Chamber of Commerce
27. Joe Serra, President Serra Automotive Group
28. Ghassan Saab, Sorensen Gross, Inc.
29. David Hollister, Prima Civitas Foundation, former Mayor of Lansing, MI
30. Philip Hagerman, President and CEO Diplomat Specialty Pharmacy

I have been a member of the Flint community for over thirty-five years. I grew up on the North End in one of the few integrated Flint neighborhoods; my wife and I raised five children, all of whom graduated from the Flint Community Schools. I have served Flint as a Runaway Counselor, Child Care Operator, Red Cross and United Way Director and as an elected official. I have interacted and earned the respect of a broad array of people in Flint. I hear from people all over the City on a regular basis and I have been pleased to receive their constant support and encouragement.

Please know that I will do everything possible to make this transition smooth and successful. We all have to keep our eye on the goal of putting Flint on a path to solvency, safety and regeneration.

CC: Committee Members – Advisory and Millage

Committee Members – Advisory and Millage

Adam Thomason
Armando Hernandez
Dan Cady
Mayor Dayne Walling
Kenyetta Dotson
Tim Herman
Pastor Timothy Stokes
Alicia Kitsuse
Amy Hovey
Christina Kelly
Connie Brauer
Courtney Knox
Deb Loader
Douglas Weiland
Jason Caya
Karen Morris
Lynn Williams
Michael Brady
Raquel Thueme
Sara Rios
Sue Peters
Brian Larkin
Councilman Bryant Nolden
Councilman Dale Weighill
David Hollister
Delrico Lloyd (former Councilman)
Eric Scorsone
Inez Brown (City Clerk)
Councilman Joshua Freeman
Khalfani Stephens
Larry Moon
Phil Peters
Phil Shaltz
Sam Cox
Bob Emerson
Daniel Coffield
Jack Ennest
Paul Wenstrom
Tom Donaldson
Wayne Schaeffer
Barry Wolf
Councilman Bernard Lawler
Diana Kelley
Councilwoman Jackie Poplar
Jerry Boles
Kim Lawrence
Loyst Fletcher
Mark Evans
Mark Heidel
Richard Arnold, MSP
Matthew Bolger, MSP
Councilman Sheldon Neeley
Willie Artis
John Henry
Norm Bryant
Ralph Arellano
Roseanne Heddy
Curt Carlson
Councilman Scott Kincaid
Tom Guise
Tom McCabe
George Wilkinson
Joe Pilara
Marty Seaman
Michael J. Sarginson (former councilman)

Redacted

Redacted

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Wednesday, December 11, 2013 8:34 AM
To: Clement, Elizabeth (GOV); Etue, Kriste (MSP); Sands, Thomas (MSP); Dempkowski, Angela (Treasury); Bolger, Matt (MSP); Darnell Earley; Koryzno, Edward (Treasury); Elizabeth Murphy; James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); Byrne, Randall (Treasury); O'Neill, Stephen (MSP); Workman, Wayne (TREASURY); Baird, Richard (GOV); Muchmore, Dennis (GOV); Roberts, John (GOV); Larkin, Brian (GOV); Hollins, Harvey (GOV); Saxton, Thomas (Treasury)
Subject: Agenda for Today's Call
Attachments: Weekly Phone Conference Agenda Dec..doc

Good morning,

Attached is the agenda for today's call.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Darnell Earley, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

City of Flint Weekly 10am Phone Conference Agenda

1) [redacted]
2)
3)
4)
5)

6) KWA, Water Plant Preparation, Water/Sewer Rate Study

7) [redacted]
8)
9)
10)
11)
12)
13)
14)
15)
16)
17)
18)

Created on 12/4/2013

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Wednesday, December 11, 2013 8:47 AM
To: Baird, Richard (GOV); Muchmore, Dennis (GOV); Roberts, John (GOV); Larkin, Brian (GOV); Darnell Earley; Koryzno, Edward (Treasury); Elizabeth Murphy; Hollins, Harvey (GOV); Jerry Ambrose; Saxton, Thomas (Treasury); Workman, Wayne (TREASURY); Clement, Elizabeth (GOV); Etue, Kriste (MSP); Sands, Thomas (MSP); Dempkowski, Angela (Treasury); Bolger, Matt (MSP); James Tolbert; Klotz, Josephine (MSP); Byrne, Randall (Treasury); O'Neill, Stephen (MSP)
Subject: Weekly Conference Call Agenda
Attachments: Weekly Phone Conference Agenda Dec..doc

Please find attached the agenda correcting the time of the call.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Darnell Earley, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

City of Flint Weekly 9:00 am Phone Conference Agenda

1) [redacted]
2)
3)
4)
5)
6) KWA, Water Plant Preparation, Water/Sewer Rate Study
7) [redacted]
8)
9)
10)
11)
12)
13)
14)
15)
16)
17)
18)

Created on 12/4/2013

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Friday, January 03, 2014 3:18 PM
To: Maxine Murray
Subject: New Year Update from Flint Mayor Walling

Now that we are in the new year, I want to send you a note to let you know that we are at an exciting point in Flint's redevelopment due to all of the tremendous contributions that our citizens and partners made in this past year, especially with the new comprehensive master plan that provides a road map for creating the community we envision. Thank you for your hard work and dedication throughout this past year to bring us to this point of opportunity.

The City of Flint does continue to face significant challenges, however a number of announcements in the past few months show that Flint is regaining its vibrancy. Many of you have asked me for the highlights and it is a great list. There have been announcements of developments for more than $900 Million including $600 Million by GM, $270 Million by the KWA Water Pipeline, $20 Million in Demolition, $10 Million in Brownfield Cleanups, $15 Million by American Pipe, $4 Million by Genesys downtown, and $1.5 Million for Cops in Schools. This adds up to greater economic opportunity, a higher quality of life, and more tax base for us going forward. Let me know if you want more information on any of these projects.

We do have momentum and 2014 is going to a good year for Flint as the master plan begins to be implemented with the combined capital improvement plan, a revised zoning code, and a number of important neighborhood and development projects. Through our combined efforts, we are demonstrating that, at our core, we are a dynamic and progressive community. We have gone from a lumber center to a carriage town to an auto center and now we are changing again to a diverse and sustainable 21st Century city.

More than 5,000 people participated in the Imagine Flint planning process and there will continue to be ways for everyone to engage. Take a look at the strategies in each of the chapters on land use, neighborhoods, transportation, infrastructure, parks, public safety, economic development, education, and the arts and start thinking about how you can contribute to Flint's future success. The Master Plan for a Sustainable Flint is online at www.imagineflint.com.

Our vision lays out how we are adapting to change and using partnerships while we provide for the fundamental needs of all people, how we can be good stewards of our environment, develop a diverse economy, provide safe neighborhoods, and nurture our youth. I hope you will use this vision and the guiding principles for inspiration for how you can align with our vision, goals and objectives.

This will not be any easy process but I know the force of our united community and supporters is powerful enough to overcome our challenges when we work together. Here's to a fantastic new year in Flint.

All the best,
Mayor Dayne Walling
City of Flint
mayor@cityofflint.com

--
Maxine Murray
Executive Assistant to

Mayor Dayne Walling
Darnell Earley, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Tuesday, January 07, 2014 2:14 PM
To: Baird, Richard (GOV); BymeR1@michigan.gov; Deasy, Thomas (MSP); Etue, Kriste (MSP); Kapp, Gene (MSP); Lee, Nichole (MSP); Muchmore, Dennis (GOV); Roberts, John (GOV); Sands, Thomas (MSP); Sipes, Stephen (MSP); West, Samantha (GOV); Dempkowski, Angela (Treasury); Larkin, Brian (GOV); Darnell Earley; Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Hollins, Harvey (GOV); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY)
Subject: Weekly Conference Call Agenda
Attachments: Weekly Phone Conference Agenda - January 8, 2014.doc

Good afternoon,

Attached is the agenda for the Wednesday, January 8, 9:00 am conference call.

Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Darnell Earley, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

City of Flint Weekly 9:00 am Phone Conference Agenda

Redacted

8) KWA, Water Plant Preparation, Water/Sewer Rate Study

Redacted

Created on 01/7/14

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Tuesday, January 14, 2014 3:46 PM
To: Baird, Richard (GOV); BymeR1@michigan.gov; Deasy, Thomas (MSP); Etue, Kriste (MSP); Kapp, Gene (MSP); Lee, Nichole (MSP); Muchmore, Dennis (GOV); Roberts, John (GOV); Sands, Thomas (MSP); Sipes, Stephen (MSP); West, Samantha (GOV); Dempkowski, Angela (Treasury); Larkin, Brian (GOV); Darnell Earley; Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Hollins, Harvey (GOV); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY)
Subject: Weekly Flint Conference Call Agenda
Attachments: Weekly Phone Conference Agenda 01152014.doc

Good afternoon,

Attached is the agenda for the Wednesday, January 15th conference call.

Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Darnell Earley, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

City of Flint Weekly 9:00 am Phone Conference Agenda

Redacted

8) KWA, Water Plant Preparation, Water/Sewer Rate Study

Redacted

Created on 01/14/14

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Tuesday, January 21, 2014 9:46 AM
To: Baird, Richard (GOV); BymeR1@michigan.gov; Deasy, Thomas (MSP); Etue, Kriste (MSP); Kapp, Gene (MSP); Lee, Nichole (MSP); Muchmore, Dennis (GOV); Roberts, John (GOV); Sands, Thomas (MSP); Sipes, Stephen (MSP); West, Samantha (GOV); Dempkowski, Angela (Treasury); Larkin, Brian (GOV); Darnell Earley; Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Hollins, Harvey (GOV); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY)
Subject: Conference Call Agenda for Wednesday, January 22, 2014
Attachments: Weekly Phone Conference Agenda for January 22, 2014.doc

Good morning,

Please find attached the agenda for the weekly conference call scheduled for Wednesday, January 22nd.

Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Darnell Earley, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

City of Flint Weekly 9:00 am Phone Conference Agenda

1) Michigan State Police – checklist, comments, concerns
2) Chief Tolbert's Update – Stats, initiatives, other
3) Fire Department Issues (if any)
4) Rich Baird – Gov. Office comments
5) B. Clement – comments, questions
6) ~~Retiree Law Suit Status – off-line follow-up~~
7) Budget Update: FY13 – Audit, FY14 – current status, FY15 - plan

   Model Labor Contracts – status
8) KWA, Water Plant Preparation, Water/Sewer Rate Study

Redacted

Created on 01/21/14

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Tuesday, January 28, 2014 4:16 PM
To: Baird, Richard (GOV); BymeR1@michigan.gov; Deasy, Thomas (MSP); Etue, Kriste (MSP); Kapp, Gene (MSP); Lee, Nichole (MSP); Muchmore, Dennis (GOV); Roberts, John (GOV); Sands, Thomas (MSP); Sipes, Stephen (MSP); West, Samantha (GOV); Dempkowski, Angela (Treasury); Larkin, Brian (GOV); Darnell Earley; Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Hollins, Harvey (GOV); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY); Antonio Brown
Subject: Weekly Conference Call Agenda for Wednesday, January 29, 2014
Attachments: Weekly Phone Conference Agenda 012914.doc

Good afternoon,

Please find attached the agenda for the Wednesday, January 29th conference call.

Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Darnell Earley, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

City of Flint Weekly 9:00 am Phone Conference Agenda

Redacted

8) KWA, Water Plant Preparation, Water/Sewer Rate Study

Redacted

Created on 01/28/14

[redacted]

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Tuesday, February 18, 2014 3:15 PM
To: BymeR1@michigan.gov; Deasy, Thomas (MSP); Etue, Kriste (MSP); Kapp, Gene (MSP); Lee, Nichole (MSP); Muchmore, Dennis (GOV); Roberts, John (GOV); Sands, Thomas (MSP); Sipes, Stephen (MSP); West, Samantha (GOV); Dempkowski, Angela (Treasury); Baird, Richard (GOV); Larkin, Brian (GOV); Darnell Earley; Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Hollins, Harvey (GOV); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY)
Subject: Bi-Weekly Conference Call Agenda
Attachments: Weekly Phone Conference Agenda 02192014.doc

Good afternoon,

Please find attached the agenda for the Wednesday, February 19th conference call.

Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Darnell Earley, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

City of Flint Wednesday 9:00 am Phone Conference Agenda
Feb. 19, 2014

Redacted

Final drafts of FPOA contract being done, meetings w AFSCME being scheduled, IAFF contract being drafted.

6) Water Transition Plan, Negotiations, Communications

DEQ is in final review for COF permit to temporarily store spent lime from water treatment plant – needed for full river water operation. Negotiations have begun with the GCDC and KWA for purchase of existing water pipe and back up plans.

Equipment timing for water plant on schedule.

Redacted

Created on: 02/14/13

1-888-557-8511, access code 3389106

Redacted

Redacted

Redacted

Darnell Earley, ICMA-CM, MPA
Emergency Manager
Flint, MI

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Tuesday, March 04, 2014 4:41 PM
To: BymeR1@michigan.gov; Deasy, Thomas (MSP); Etue, Kriste (MSP); Kapp, Gene (MSP); Lee, Nichole (MSP); Muchmore, Dennis (GOV); Roberts, John (DTMB); Sands, Thomas (MSP); Sipes, Stephen (MSP); West, Samantha (GOV); Dempkowski, Angela (Treasury); Baird, Richard (GOV); Larkin, Brian (GOV); Darnell Earley; Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Hollins, Harvey (GOV); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY)
Subject: Agenda for Wednesday, March 5, 2014
Attachments: Wednesday Agenda 9am Meeting 030514.doc; Mayor Walling's State of the City Address 030314.pdf

Good afternoon,

Please find attached the agenda for Wednesday's conference call and Mayor Walling's State of the Address.

Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Darnell Earley, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

City of Flint Wednesday 9:00 am Phone Conference Agenda
March 5, 2014

Redacted

Redacted

4) Financial Update

a) City met Friday 2/27/14 with E&Y to review progress on Hurley, and the 5 year projections. Hurley is in draft form. The 5 year plan should be completed in a couple of weeks. Also, reviewed draft of RFC analysis and recommendations regarding the water and sewer rates.

b) Treasury when will we get approval of the budget amendment? As we go into KWA financing, we are proceeding as if the amendment is done. That is important because the amendment maintains the $1million in deficit reduction. Nearly 2 weeks and we are still awaiting a response.

c) Treasury, please respond whether draft deficit elimination plan is credible.

d) Need some assistance in getting the Administrative Consent Order through the DEQ so Karegnondi Water Authority can get their bonds issued.

Redacted

Redacted

Mayor Dayne Walling

State of the City

March 3, 2014

PUBLIC COPY EMBARGOED UNTIL DELIVERED STARTING AT 3PM

HIGHLIGHTS THAT CAN BE SHARED IN ADVANCE, FOR RELEASE 2PM MAR 3, 2014

**SPEECH THEME IS "YEAR OF SERVICE AND ACTION"
**FOCUS ON WAYS EVERYONE CAN VOLUNTEER, COLLABORATE AND INVEST TO IMPLEMENT THE IMAGINE FLINT MASTER PLAN
**$1 BILLION IN NEW INVESTMENTS COMING THAT ARE ALIGNED WITH MASTER PLAN INCLUDING GM/UAW, MSU, GENESYS, KWA PIPELINE
**TOPICS INCLUDE SAFETY, JOBS, BLIGHT, INFRASTRUCTURE AND GOVERNANCE
**NEW ANNOUNCEMENTS OF POLICE-COMMUNITY ENAGEMENT
**DECLARE WAR ON BLIGHT AND CALL FOR AN ARMY OF VOLUNTEERS TO BATTLE BLIGHT ON BLOCKS ACROSS THE CITY
**I AM PREPARED TO LEAD CITY BACK TO HOME RULE WITH COOPERATION FROM THE CITY COUNCIL AND COMMUNITY

REMARKS AS PREPARED

"A Year of Service and Action"

Outline

I. Introduction

- A. Recognize Council
- B. Family
- C. Officials incl newest Representative Phelps

II. State of the City Summary: "Smaller yet Stronger and Smarter"

- A. Citizen Priorities
- B. 2013 Accomplishments & Challenges (City Govt and Community)
- C. Adoption of Master Plan
- D. Key Project Highlights
  - a. General Motors & UAW: Paint Shop
  - b. SC2: White House Domestic Policy Council
  - c. Michigan State University: Medical School
  - d. Lavarne Ross, Flint Heritage Exhibit at Flint Institute of Arts

III. Action Plan: Implementing the Master Plan for a Sustainable Flint

- A. Increase Safety
  - a. Summary of Goal, Objective, Strategies and Projects
  - b. Recognize Chiefs Tolbert and Cox, MSP and Partners
- B. Create Jobs
  - a. Summary of Goal, Objective, Strategies and Projects
  - b. Recognize Planning & Development Dept. and Metro Youth Build
- C. Address Blight
  - a. Declare War on Blight
  - b. Summary of Goal, Objective, Strategies and Projects
  - c. Recognize Cities of Service & Chief Service Officer
- D. Improve Infrastructure
  - a. Summary of Goal, Objective, Strategies and Projects

b. Recognize Flint River Allies & Karegnondi Water Authority

E. Reform Governance

a. Summary of Goal, Objective, Strategies and Projects

b. Recognize Blue Ribbon Governance Committee

c. Partnership Approach with State, EM, Mayor and Council

IV. Call to Action for Citizens & Partners

A. Volunteer

B. Collaboration

C. Investment

V. Conclusion

Following address:

Citizen Action Fair (in City Hall Main Floor Lobby)

Blue Badge Volunteer Corps (Flint Police Department)

Cities of Service and AmeriCorps (Chief Service Officer)

Master Plan (Planning & Development Department)

Mayors Wellness Challenge (Greater Flint Health Coalition)

Keep Genesee County Beautiful

Metro Community Development

United Way Partners (Water Fund & Youth Development)

American Red Cross

And Others

I. Introduction

A. Recognize Council

B. Family

C. Elected Officials incl newest Representative Phelps

Good afternoon and welcome. Thank you for joining me here today at my fifth annual State of the City address.

Thank City Council President, City Council members and City Clerk for hosting…

As I mentioned, this is my fifth annual State of the City address. If I had been elected and re-elected under normal circumstances, then this would be the first state of the city address of my second full term. But we know that these past 5 years have been everything except normal. Economic, financial, political and social challenges as great as this City has ever seen have met us every morning as we have worked tirelessly through the day and night to comeback from the worst economic downtown in a century, to push back against a crime wave that carried us to the top of the worst list in the country to be on, to keep everyone here at City Hall working in the best interests of the public, residents and taxpayers despite conflicting opinions about collective bargaining agreements, local home rule, and city service standards.

Nevertheless, we continue to come together, to this sacred public place. I thank Elder Sanders for the invocation. Many of us do what we do each day because of our faith. We know that we are each called to be here in this place at this time for a purpose. I want to recognize all of the pastors and faith leaders who are here today. Please stand and let us recognize you for your leadership and service.

I am thankful every day for the opportunity--and strength--to serve as your mayor in these difficult times. I am also personally thankful every day for the wonderful family that surrounds and supports me…

I want to recognize our elected officials who have joined me here today…

Note newest State Rep Phil Phelps

I also want to recognize Flint's EM Darnell Earley and all of the City of Flint officials who have taken time to be here this afternoon. Thank you.

II. State of the City Summary: "Smaller yet Stronger and Smarter"

A. Citizen Priorities

B. 2013 Accomplishments & Challenges (City Govt and Community)

C. Adoption of Master Plan

D. Key Project Highlights

a. General Motors & UAW: Paint Shop

b. SC2: White House Domestic Policy Council

c. Michigan State University: Medical School

d. Lavarne Ross, Flint Heritage Exhibit at FIA

When I look back over my first four years in office compared with where we are today, I believe that the State of the City of Flint is that we are smaller yet stronger and smarter. Flint is smaller yet stronger and smarter in 2014.

As an example, last year's budget which ended last June, was balanced through a mixture of significant revenue increases, significant expenditure decreases, and steps taken to reduce long term costs. Expenditure reductions included elimination of 20 percent of the City's workforce, compensation decreases equivalent to a 20 percent wage reduction for remaining employees, and the restructuring of health and retirement benefits.

The financial statements as of June 30, 2013 show that revenues exceeded expenses in the General Fund by $6.3 million. And more people are paying their taxes. Delinquent collection efforts focus not only on income tax but on personal property tax and miscellaneous receivables. Since, the establishment of new enforcement efforts last year, $451,196 has been collected in total for delinquent taxes and personal property taxes.

All of this resulted in the City's accumulated general fund deficit being reduced to less than $12.9 million as of June 30, 2013. We have a long way to go but progress is being made. Flint is smaller yet stronger and smarter in 2014.

The current budget was designed and implemented with the same goals in mind – operating within the constraints of available revenues; restructuring operations and cost factors to enhance future financial stability, and continuing to reduce the remaining deficit. The budget includes reducing the deficit by a minimum of $1 million. As of January 31, 2014, seven months into the FY14 year, revenues and expenses are on target.

Nevertheless, there remains a list of critical challenges and threats that must be resolved but today there are 7 items on the list instead of more like 27. The proposed transition management plan calls for action on a deficit elimination plan, a five-year financial analysis and two-year budget, governance reforms, organizational development, legacy cost reduction, adoption of a strategic plan, and ongoing sustainability around training, best-practices and planning.

Myself and all of the City Council members are engaged with the Emergency Manager Darnell Earley, staff and consultants in order to address these challenges and threats as fully and quickly as possible. I compliment the steps taken by the City Council's Finance Committee towards putting in place a City of Flint Strategic Plan at their meeting this past week. This is the kind of leadership that is going to achieve the goal of transition to home rule that I set in this address last year.

While the challenges are serious, we also have significant accomplishments from 2013 to build on.

The Law Office is one area that has dramatically improved in recent years under the leadership of City Attorney Peter Bade. As an example, during 2013, we had numerous litigation successes, with lawsuits against the City either dismissed or settled at low cost. We stayed under budget for suits and settlements, and are at a historic low for what we spend on litigation going back 15 years. This is due in large part to the Law Office handling cases directly. Presently, there are 111 active litigation matters. Only 5

matters are being handled by outside counsel in partnership with a staff attorney. We have met or bettered the 95% of litigation being handled by staff attorneys for the past four years. This is responsible management that serves taxpayers and the City of Flint.

Another accomplishment is the master plan. Last year in the State of the City I set a goal of adopting a new comprehensive master plan for Flint in 2013. In October, with the unanimous support of the Flint Planning Commission and the Flint City Council, Flint's first comprehensive master plan since 1960 was adopted! That item had been on the to-do list for my whole life—and now we are in a position to move forward with clear alignment among our vision, guiding principles, goals, objectives, strategies, resources and metrics.

More than 5,000 volunteers and engaged citizens were the driving force in Flint's master planning process. I am so proud of the way people dedicated thousands upon thousands of hours to imagining a better Flint and deciding on strategies to make our vision a reality.

Think about the math of public participation here. At one event alone, the community visioning workshop last March at Mott Community College, there were nearly 500 people for a full day of discussion and goal-setting. The hours that volunteers contributed that day alone are equivalent to 2 full time employees for the city of Flint working all year long. Citizen engagement is a force multiplier.

Our efforts going forward, from crime fighting to blight elimination, youth development and governance improvements, are all going to take more and more volunteers and community leaders. The actions of a few individuals can have a strong impact on addressing the issues we face as a city, but that impact is multiplied when more residents and community leaders take an active role and get involved.

Instead of working against each other, we are using more and more of our energy to collaborate. As you will hear with law enforcement partnerships and the new water pipeline, collaboration is a force multiplier too.

Flint, smaller yet stronger and smarter.

What a difference a smart plan can make! Especially when it is backed up by community volunteers, and partners who are collaborating and investing.

Since the master plan was adopted in October, there have been a number of positive announcements around collaboration as well as new development initiatives that are in alignment with the plan for a sustainable—in the sense of economic, social and environmental—Flint.

Let's start with General Motors and the spectacular ground-breaking this morning.

GM will invest $600 million for construction of a new paint shop for the assembly plant. This is the largest private investment made in the City of Flint in nearly a decade. The facility will be the third new paint facility in North America to use an environmentally friendly wet-coat paint process. The New addition will be a 596,000 ft^2 building that in total represents approximately 1 million construction work hours. The completion target is in 2016.

I want to recognize… [GM Representatives]

Now there are currently 2,800 hourly and 250 salaried employees at Flint Assembly. The workers are represented by UAW Local 598.

I want to recognize UAW Region 1-C and our Locals…Including

When the paint shop is finished, GM will have invested more than $1.5 billion in its Flint operations since early 2009. This is an incredible testament to the working men and women of the UAW, GM's leadership, and the community of Flint.

Flint Engine has received more than $700 million, including $215 million announced last year to upgrade the plant for a new small gas engine and an engine for GM's midsize pickups including the Colorado and the Canyon. Flint Assembly also received $328 million to retool the plant for production of the next generation full-size pickup.

In Flint, we have been known for vehicle manufacturing and innovation for more than a hundred years. It is great to see General Motors also stepping up to preserve the carriage and early auto industry heritage with their acquisition of Flint Carriage Factory One. This is another investment along the University Avenue corridor that is bringing in new energy and will attract people to our community.

These latest investments by General Motors are proof that Flint will continue to be a hub in the auto industry. I am pleased to be working with my colleagues, Mayor Duggan, Mayor Bernero, and others, along with Michigan State, the University of Michigan and Wayne State University for Michigan's Manufacturing Triangle to be recognized by President Obama as a Manufacturing Community region. We are proud of our heritage and our future in this growing global industry sector—and we want to the world to know!

We already have the honor of being chosen by the White House as one of the Strong Cities, Strong Communities or SC2 sites for this year. President Obama's Secretary for Housing and Urban Development Shaun Donovan has recognized Flint's new plan and sees the SC2 support as a way to assist with implementing the plan, especially around reducing crime, eliminating blight and redeveloping brownfield properties. These are all priorities that will position Flint to be more competitive economically. It is wonderful that our work is being recognized on Pennsylvania Avenue in our Nation's Capital and we look forward to the project leader being placed in Flint in the near future.

Our comprehensive master plan also commits us to further diversifying our economy. Chapter 9, Economic Development and Education, Objective 8.

There is no better example of our growth and diversification than the expansion of the education and medical sectors in Flint. I can't tell you how proud I am, as a Flinstone and Spartan myself, to see the Michigan State University College of Human Medicine establishing a campus in downtown Flint as part of the new Health and Wellness District.

Let's recognize the leaders and doctors who are here representing MSU
Their energy and talents are already making Flint smarter for sure.

The CS Mott Foundation and Uptown Reinvestment nonprofit corporation have supported this work in all ways imaginable. I want to recognize Ridgway White, the Vice President of Special Projects at the C.S. Mott Foundation.

The Health and Wellness district bring together our medical and education assets and focuses them in the core of our community. The District already has investment commitments of over $60 million over more than 4 city blocks. Over $30 million is committed for bricks and mortar construction. The District is backed by an additional $30 M in programming provided by the C.S. Mott Foundation, MSU and our three medical institutions: Hurley, McLaren and Genesys.

It is anchored by Exploration Park, the MSU Masters of Public Health and College of Human Medicine, the expansion and relocation of the Flint Farmers Market and Genesys facilities. The District is creating over 150 new high paying jobs at MSU and Genesys in addition, plus there will be numerous entrepreneurial opportunities at the market and commercial kitchen. The primary goal of the District is to provide an opportunity for various health and medical related businesses to co locate downtown.

The first new component to opens its doors was the Genesys Health Clinic on Saginaw Street, which is the west end of the district. And now Genesys is adding a PACE senior center on the east end of the district across from UM-Flint Residence Hall.

Representing Flint's medical sector is a delegation from Genesys led by CEO Betsy Aderholt. Please rise and be recognized…

We are a lot more than a car town, a college town or medical hub, we are growing a diverse and sustainable economy for the 21st Century. We also continue to honor those who brought us to this place and the arts and culture that have become so important to our community. I asked Lavarne Ross, one of Flint's finest artists and painters to join us here today. He has an amazing exhibit at the Flint Insitute of Arts that you have to see. The special exhibit, *Lavarne Ross: Works on Paper* features 19 works of art including pencil, chalk, acrylic and watercolor. You will see the Flint's electric trolleys, the Kresge store downtown, the Buick, an wonderful images of Flint's families. He is ensuring that we continue to honor our heritage which has brought us to where we are today. Arts and Culture is an important part of our plan going forward.

So when you add up all of the investment commitments this past year in Flint's private sector, public infrastructure, key initiatives, and redevelopment projects, the total is nearly one billion dollars. Flint, smaller yet stronger and smarter—attracting attention, energy and resources. This is what happens when you have a great plan, a team effort, and a united and engaged community.

We continue to need all of your involvement as we work to implement the master plan for a sustainable Flint. In fact, the next steering committee meeting is open to the public and takes place tomorrow night, Tuesday March 4 starting at 5:30pm at the Flint Public Library. Moreover, the Steering Committee has approved a set of Implementation Task Groups for each chapter or area of the master plan. Today I am announcing that the application process to be on one of the task groups is open to the public and available here this afternoon. It is on the list of Top Ways to Implement the Master Plan—a new

list that you will receive as you leave today. We are looking for people who will champion the plan, work to see it implemented, and have a passion for this place and our community. I know all of you here fit the bill and I encourage you to apply. Remember, volunteers are force multipliers. We need you!

III. Action Plan: Implementing the Master Plan for a Sustainable Flint

We need you to prove that this plan is not going to sit on a shelf. We have a responsibility to see the master plan for a sustainable Flint implemented. Under state law, the master plan is supposed to be updated every 5 years—NOT every 50! So the way I see it, we have 5 years to implement the short term action items, get started on the medium and long term work, and then actually update and amend the plan in 2018. **We need to approach the implementation process like a 5 Year Action Plan—starting this year! I am calling for 2014 to be a Year of Service and Action...As the first step in a five year process to realize our vision and improve all parts of our community.**

Yes we need to identify new financial resources, but more than that, we need more and more people and partners in our community to step up and do their part to implement the plan. This is why you saw the resource tables set up in the lobby, so that after this you can sign up to help in all kinds of different and important ways. This is what I really want to talk about this afternoon. **A 5 Year Action Plan and 2014 as a Year of Service and Action.**

The plan is over 250 double sized pages so I don't have time to read all of it here. I am going to focus on the aspects related to the 5 community priorities that were established right at the beginning of the engagement process with the first round of meetings, surveys and workshops. The areas are:

a) increasing safety
b) creating jobs
c) addressing blight
d) improving infrastructure, and
e) reforming governance

Let's go through our goals and answer the questions: What did we do last year and what are we going to do this year to make progress on each of these priority areas?

A. Increase Safety

a. Summary of Goal, Objective, Strategies and Projects

b. Recognize Chiefs Tolbert and Cox, MSP and Partners

Our goal with safety is simple: We see Flint providing a secure and healthy environment for residents, businesses, students and visitors.

We have 8 objectives in the master plan that range from developing a state-of-the-art efficient and proactive police department to empowering residents to contribute to the safety of their neighborhoods.

The Flint Police and Fire Departments made great strides in 2013 with their organizational development and also results: crime and arson rates were down by double digits in 2013 compared with the year before, and the trend is continuing into 2014.

I want to recognize Flint Police Chief James Tolbert and Flint Fire Chief David Cox for their extraordinary service to our community. Chiefs!

In addition to Flint leadership, another main reason why Flint is a safer community today compared with this time last year is the continued dedication of our county, state and federal law enforcement partners who are working with us to get offenders off of our streets everyday. The US Attorneys Zero Tolerance gun crime prosecutions has removed many of the most dangerous individuals who continue to break our laws from our neighborhoods.

The Michigan State Police are there with us everyday. The Michigan State Police are assisting with everything from major case detective investigation to traffic enforcement and response. This means that Flint Police officers are more available to respond to 911 calls and to community issues.

I want to recognize Col. Kristi Etu, commander of the Michigan State Police, who is with us here today, Col.! We deeply appreciate your efforts here in Flint. We also have with us Lt. Col. Thomas Sands, thank you sir.

I also want to recognize Harvey Hollins, The Director of the Governor's Office of Urban and Metropolitan Initiatives, and Brian Larkin, the Flint liaison for the office.

The State of Michigan, with Governor Snyder's leadership, has also invested in Flint by funding the City Lockup. I can state as a fact that the city lock up has been an effective crime fighting strategy. It has also been a regional crime fighting tool as it is available for use by all policing agencies in Genesee County with the Sheriff's administration. In total 949 felons and 1576 misdemeanors were processed by the lockup in 2013. The Governor has proposed that the funding continue going forward and we urge the State Legislature to support this critical investment that is in alignment with our plan to reduce crime.

There are always competing needs when it comes to a budget and funding, but I believe that the data from Flint shows that these dollars are providing a high return on investment. As State revenues continue to come in above projections, I suggest public safety be a top priority. The sad fact is that the State of Michigan, with all of its local units combined, have approximately 2,000 fewer police officers than we had 10 years ago. Now that State revenues are back to pre-recession levels there needs to be a major investment in public safety—so that everything else we aim to do with education, economic development, and neighborhood stabilization has the foundation of safe community to build upon.

I urge the Governor and State Legislature to fully fund local revenue sharing and invest in initiatives in the Governor's Secure Cities proposal before lowering tax rates. It is not fair to make local communities pay the price of the recession and then divert our recovery.

I also call on Flint's voters to support the statewide referendum in August for the State to provide a 100% replacement for tax revenues that will be changed with the reform of the business equipment, or personal property, tax.

You see how public safety, being 80% of Flint's General Fund budget, is as much determined by budget and legislative priorities as it is by the community's needs.

Thankfully, Flint's citizens are not waiting on the Capitol to tackle crime in their neighborhoods alongside of law enforcement. Chief Tolbert has made it a high priority to strengthen relationships with community groups. In the master plan, this is the second objective on public safety, and second only to eliminating blight which I will speak to later.

Working with community groups and concerned citizens is how we are going to reduce crime in Flint. The Flint Police department has a new commitment to placing each neighborhood and block club meeting on the patrol calendar so that Command Officers know to attend.

The Flint Police Department is also operating in a more transparent fashion and providing information on a daily basis to the public about major crimes. This is posted every day on the City of Flint's website. In the future, a new interactive online tool will be in place for citizens and community groups to input specific geographic parameters and receive crime updates 3 times a day. New Flint Police facebook and twitter accounts will be started this month.

We need to share more information and also connect more with the community. With Blue Badge and the Flint Neighborhoods United, a new training will be offered for crime watches to patrol as **eyes and ears** and rapidly report any criminal behavior. FPD has radios we are in the process of narrow banding to use in this effort. We have submitted an application for a grant to cover this initiative with the expectation of starting the advanced community watches this spring.

We have an expanded effort with CrimeStoppers through the CrimeStoppers of Michigan. You can call 1-800-SPEAKUP with tips to help solve crimes with a guarantee of it being 100% anonymous. Flint Crime stoppers did an outstanding Job yet we needed the expanded resources that Crimestoppers of Michigan could bring to the table. Crime Stoppers of Michigan has been in Flint/Genesee Co. for exactly one month, we have received 30 tips in Genesee County, 29-Flint, 1-Fenton. Tips have been submitted for rewards.

It is part of the new mission of the Flint Police Department to act in partnership with our community to protect life and property by striving to prevent crime and preserve peace, order and safety.

Partnerships. Community. Protection. Crime Prevention. Peace. This sounds like a 21st Century police department.

Now we all need to step up. Volunteer with Blue Badge. Contribute to the new Flint Police Foundation. Get involved with Lifelines. Call tips into CrimeStoppers. Check the online crime stats. Check on your neighbor. This is how we are going to get Flint off the top 10 worst per capita crime list this year!

B. Create Jobs

a. Summary of Goal, Objective, Strategies and Projects

b. Recognize Planning & Development Dept. and Metro Youth Build

Of course we also need to create jobs. Our goal for creating jobs is ambitious. We aim to have a growing and diverse economy that spurs innovation and small business development along with an education system that prepares **our workforce, Flint's residents** for jobs paying a livable wage.

We link economic development and education because we believe that human development is economic development. We know where we need to start. Community schools and community education is objective one, strategy one. All of us who grew up here in Flint know that community schools work for youth, for families, for communities and for employers. Community education must be there in the fall of 2014 when the doors of the Flint Community Schools open for our students.

The City of Flint is requesting proposals from community partners who will work with the Flint Community Schools using federal Community Development Block Grants to provide community education services. Superintendent Larry Watkins is a product of the community education system—and a graduate of Flint Central High School I should add—and he recognizes that this is fundamental. I urge other partners to pledge themselves to this work as well. We must work together to get this done. Community schools is objective one, strategy one for a growing and diverse economy.

Objective two is to increase the basic skills of our youth and workforce. One of the major successes is the Youth Build program that has moved into the City's Oak Business Center. Metro Community Development initiated this in Flint and is one of the leading programs across the country. Today a new group of Youth Build participants started and they are going to help us meet our objective here.

I want to recognize Metro's director Ravi Yalamanchi and program manager Mark Evans. Thank you for believing in our youth and working with us to make this program a success.

The City is stepping up to do our part. A new unified Department of Planning and Development has been established to lead our public economic development efforts, make Flint more business friendly, and ensure equitable redevelopment across all of Flint. I want to recognize the inaugural head of the new Department of Planning and Development, Megan Hunter who also serves as our Chief Planning Officer and was the primary architect of our adopted master plan. Please join me in showing appreciation for Ms. Hunter's amazing work. We want to encourage her in this ground-breaking endeavor.

I also want to recognize the Flint & Genesee Chamber of Commerce and the Michigan Economic Development Corporation. We meet every Friday morning in my office to go over every job creation and investment prospect for Flint. Over the past 4+ years this has resulted in more than 4905 created and retained jobs along with $1.5 billion in capital investments through 2013. Our total capital investment will be over $2 billion after this year. Our performance this past year with job growth and retention is that we achieved 60% more than the previous year so we are on a strong upward swing.

Our latest success is with bringing the American Pipe company to the former Buick site. I look forward to people going to work again where there used to be empty concrete slabs. When you see Flint & Genesee in the light of cooperation, innovation, and opportunity, you will believe that we can do this as part of our 5 Year Action Plan.

This year we have a lot to do to create jobs. Its time for a Promise Zone for Flint. Our state legislators are stepping up on this one. ts time to update all of Flint's business ordinances so we are truly business friendly and redevelopment ready. The City Council, Clerk and City Attorney are working to get this done in the next 60 days. This is the commitment I made in my first act in office when I hung on open for business sign

on the front doors of City Hall. We will have a plan. We will have a process. We will have partners. And we will turn this economy around and create job opportunities right here in Flint! A strong and smart economy, now that's SUSTAINABILITY.

And for those who are looking for work, consider this since I am talking a lot today about volunteering. A recent study by the Federal Corporation for National and Community Service Office of Research & Evaluation found that active volunteers have a 27% higher odds of finding a job afater being out of work than non-volunteers. Volunteers without a high school diploma have a 51% higher odds of finding employment. This research shows that volunteering increases a person's social network and skill sets and this helps to level the playing field for the unemployed when they apply for jobs. Volunteering is an employment multiplier.

C. Address Blight

A Declare War on Blight

b. Summary of Goal, Objective, Strategies and Projects

c. Recognize Cities of Service & Chief Service Officer

Action Area 3. Address Blight. Blight is a clear and present danger to our future. It affects our safety, our neighborhoods, our businesses, our youth. The abandoned buildings surrounding us offer shelter for crime and drugs. Scrapped out buildings in our neighborhoods endanger our children when they walk to school. We no longer can dwell in the dangerous remains of the past. This is not a new problem in Flint but the scale of the challenge has pushed up the threat level and it is time for an all-out battle against blight!

It is us versus abandonment, us versus scrapping, us versus illegal dumping, and those of us who care versus those among us who have given up.

St. Paul wrote to the Corinthians, "If the Trumpet does not sound a clear call, who will get ready for battle?"

Today I blow the trumpet against blight.

Today Flint declares a war on blight.

I am asking you today to enlist in the army that will defeat blight in Flint over the next 5 years. Are you with me?

There are over 20,000 homeowners living in their homes in Flint. This is a great asset to build from that a lot of people don't realize we still have.

Last year with Cities of Service alone, we had 593 volunteers who were on the front lines. The Cities of Service volunteers accomplished much:

24 Blocks revitalized
1,804,273 pounds of yard waste removed
15 trees planted
57 new green spaces or gardens created
25 homes boarded
4,500 sqft of graffiti removed
122 previously blighted properties cleaned and maintained

This was a strong start in our campaign to beat blight in Flint over the next 5 years. There were 670 demolitions total in 2013, between the City and the Land Bank. This year we are going to demolish approximately more than double that, approximately 2000 structures. And we are ready for more volunteers in the army for all branches of the service: Cities of Service, Keep Genesee County Beautiful Park Tenders and Tree Tenders, Flint Neighborhoods United, and all of the groups that are already in this fight all across the city.

The demolitions are funded by the Federal government through the State. The champion for us in Washington, DC has been our new Congressman Dan Kildee. It is unprecedented for a first year congressman to achieve these results and his success is a great testament to his trust with the President's administration and leaders here in the State. Congressman Dan Kildee, thank you for your willingness to keep fighting for Flint! We need you to lead us in this war.

Because the battles in front of us are tough. After this year's work we estimate that we will have approximately 5,500 residential structures and 400 commercial buildings still in need of demolition at a total cost of $70 million.

Total blight elimination means cleaning up vacant properties, creating new green spaces, and beautifying our neighborhoods. Regular mowing on all of the 12,000 plus vacant lots in Flint calculate to 100,000 cuts. Last year our community groups made an incredible start with over 10,000 cuts. We must aim to double our effort every year to win this front of the blight battle. The Cities of Service grant is supporting the

Community Tool Shed at Salem Housing where mowers and equipment can be borrowed free of charge.

I also am proud to announce that we have an additional new field captain, a Chief Service Officer for the City of Flint through the Cities of Service initiative and an executive on loan program with the Boys and Girls Club and the National Service Accelerator funded by the CS Mott Foundation. This is at no cost to the City's taxpayers. Smaller but stronger and smarter. Using volunteers, collaborating and investing.

Mary ZumBrunnen's first official day is tomorrow. She comes to this position from having been working on the service accelerator with national service members, AmeriCorps, VISTA, Senior Corps and other service efforts that have connected over 650 national service members and over 2,000 volunteers with efforts meeting the needs of our community. And I am pleased that she is joining the City of Flint—at no cost to the City! Please welcome Mary ZumBrunnen.

There is a role for everyone in the army advancing against blight. Neighborhood revitalization is everyone's responsibility, yet we know that the City has to provide the leadership and the tools for you to be effective. I am proud to announce the second annual LOVE YOUR CITY month this May to give the entire city a spring cleaning. We have to have a strong spring campaign once the snow melts so we don't lose any ground.

In partnership with Cities of Service and Republic Services, we have three unlimited curbside pickup weeks.
- Unlimited large items: May 5-9
- Unlimited bagged litter: May 12 - 26
- Unlimited bundled branches/lawn debris: May 19 – 23

We need to wear these unlimited pickups out! When I drive down the street on Monday May 5th I want to see unlimited large items on the curbs. On Monday May 19th, I want to see unlimited bundled branches and bagged lawn debris. May is the month to make it happen as part of the 2014 Year of Service and Action. Put it on the calendar. These are your three weeks of blight battling. Don't drive up north to go fishing. Don't head down south to see your family. Stay right here in Flint, take out the trash, bag that garbage from down the street, clean up the vacant lot on the block, I want to see Republic working overtime to keep up with us!

We are also going to do another tire collection day on May 17th and we need you for that too, so don't plan on that weekend for your family reunion. Getting all those old tires out is a dirty job but somebody has to do it!

Now we all need to enlist and fight. The Cities of Service Love Your Block application will be available at the Keep Genesee County Beautiful conference this coming Saturday. The Ruth Mott Foundation has been a champion of this work for a number of years now.

There are so many ways to make a difference in the blight battle.

Take care of the vacant property next to your house – shovel snow, mow the yard, pick up trash. Report blight and code violations to the City's Blight Manager, Raul Garcia

Help organize a clean up for Love Your City Month.

Apply for a mini-grant for your neighborhood from the Community Foundation, who is a great partner in implementing the master plan.

This is how we are going to fulfill our vision for healthy neighborhoods all over the City over the next 5 years.

D. Improve Infrastructure

a. Summary of Goal, Objective, Strategies and Projects

b. Recognize Flint River Allies & Karegnondi Water Authority

Infrastructure—roads, pipes, trails, water—this is another high priority area for Flint. We have set a visionary goal in the chapters on transportation, infrastructure and community facilities:

Flint will enjoy a system of reliable and efficient infrastructure and multi-modal transportation tailored to meet local needs, and will have a network of comprehensive community facilities provided in a coordinated and collaborative manner.

We have also come out strong with demonstration projects already underway to show that we are going to operate in a new paradigm with public works.

Thanks to the C.S. Mott Foundation, an engineering study is underway to assess the best way to put S. Saginaw Street on a road diet. This means reducing the space on the road way for vehicular traffic, slowing cars down, and making the corridor more accessible for pedestrians and bicyclists. This also can reduce the amount of roadway that we need to maintain. We want our transportation network to be safe for all people and all ages and not just be surface road expressways moving commuters in and out of the city at high speeds.

Thanks to the Michigan Municipal League Place Plans initiative, we are also designing a rails to trails project called the Grand Traverse Greenway. We had a packed room of participants in December at the Word of Life church to identify the principles and opportunities that will guide the design process. The weather was terrible but it was a fantastic session. This is another example of how valuable community engagement is. This work needs to be owned by the community and that means folks have to show up and participate and that is what is happening coming out of the Imagine Flint planning process.

These projects are clear signs of progress under the objectives in the Transportation section of the master plan.

We also make a point in the master plan for a sustainable Flint of leveraging our natural resources such as our Lakes and River and location in the Great Lakes basin. There are a number of objectives related to the Flint River in the environmental features chapter, as well as the infrastructure chapter. For instance, objective 5 in the infrastructure chapter reads: "Expand opportunities for blue infrastructure"

So what does this look like? I know when you drive over the Saginaw Street bridge in downtown Flint, today you see the decrepit Hamilton Dam. This is a high risk piece of infrastructure, right in the middle of the UM-Flint campus and the last barrier to flooding downtown during heavy storms. Now with the comprehensive master plan and the Flint River Watershed Coalition we have a solution to works towards that will protect the waterway, secure downtown, add value to the UM-Flint campus and create access to the river for recreational purposes.

This is a good example of the difference a good plan, collaboration and an investment paradigm can make.

If the City were operating in a reactionary mode, the City would have spent a million dollars to drive in concrete pilings to secure the Hamilton dam structure. We would have a new permanent monument to failure and the past in downtown Flint. Instead of this, and consistent with the master plan objectives of a healthy river waterway through Flint (objective 1 of the environmental plan), the City is committing the million dollars to the Flint River Restoration initiative. The funding pledge will be leveraged to generate up to an additional $4 Million in grant opportunities to create a series of cascades through downtown like many other cities have done successfully. The Flint River Restoration initiative is about best-practices, good planning, collaboration with partners. This is the new way of doing business in Flint and it is working.

The Flint River has helped sustain people in this area for eons. I am proud that we are becoming better stewards of this precious natural resource. I am thankful to the hundreds of volunteers, the Flint River Watershed Coalition, the Friends of the Flint River Trail, and all of the people who continue to work with us on preserving our part of Pure Michigan through the Flint River Corridor Alliance. This includes the University Avenue Corridor with Kettering University and Atwood Stadium. A number of representatives of our Flint River and corridor allies are here, please stand and be recognized.

Another way you will be able to experience the Flint River is at a revamped Riverbank Park. Grants have been secured that will allow for work to begin soon on Riverbank Park to make the park ADA accessible and easier to maintain thanks to support from the Michigan Department of Natural Resources Trust Fund, the Ruth Mott Foundation, the Downtown Development Authority and other community partners and volunteers.

Another partnership around water that I have to recognize is the Karegnondi Water Authority or KWA. This regional entity has become a catalyst for the communities along the I-69 corridor to come together and help each other. We each have unique assets from manufacturing to agriculture, urban environments to rural areas that add up to more than the sum of the parts and create new opportunities for economic development, trade, and innovation.

KWA is also our future water supply, straight from Lake Huron to the Flint Water Treatment Plant at Stewart and Dort Highway. The bond financing for the new pipeline is proceeding and the construction schedule is on time. It will take nearly 3 years to get the lake water flowing.

In between, we will leave the Detroit water system now that we have permission

from the Michigan Department of Environmental Quality to use the river as a temporary primary water source for the next few years as needed until the KWA pipeline can be completed.

This will provide significant savings to the City on the costs of water supply for future years. We have been honest that this may not mean lower bills but we will escape the escalating costs of the Detroit system because we will be able to manage the water treatment system ourselves. The result will be a better capacity here in Flint to mange the costs to residents and other customers going forward. The preliminary results from the water rate study affirms these savings relative to the Detroit costs. When finalized, the data will be shared with the new City Council Public Works Committee and the public. The bottom line is that with the master plan, the coming combined capital improvement plan, and local control, Flint will be able to maintain the water system better.

One of the ways we will do this is that beginning this Spring, we will be using treated water from the Flint River as our temporary primary water source. In recent months and due to the eventual increase in use of our Flint Water Treatment Plan, upgrades have been made to meet the standards of continuous operation. Instead of paying a bill to Detroit, we are investing in Flint's infrastructure and capacity in an efficient manner.

The track record at the Flint Water Treatment Plan is excellent. For many years, the river has been used as the backup system to provide drinking water for Genesee County. Because of this function, the Flint Water Treatment Center has conducted quarterly water treatment to ensure that river water meets stringent standards. These treatments have been done as a test to ensure the plant's use as a temporary water supply should service from DWSD be interrupted. Each time these treatment tests have conducted, the water has passed the test.

So later this Spring we will all be drinking Pure Flint Michigan Natural Mineral Water. There is a difference in density of minerals found in river water versus that of a large

freshwater body like Lake Huron. The new water will be properly treated, lightly fluorinated, and will taste slightly different than the water from Lake Huron that came through Detroit. Pure Flint Michigan Natural Mineral Water.

And, once the KWA pipeline is completed, the river will remain as our back-up water source should the need arise. See, with a long-term plan in place, then every expenditure can meet a current need and contribute to our future resilience. This is a landmark project which will assist in the transition to a sustainable Flint.

We have a number of the leaders on the Flint Water Treatment Plant and KWA here, including KWA CEO Genesee County Drain Commissioner Jeff Wright, all of you please stand and be recognized…

The City's Department of Public Works, which consists of Utilities, Transportation, Sanitation, and Facilities, is working on a number of operational changes too, because while being good stewards of the natural environment is important, we know we need to save some money around here!

Recently the City of Flint has successfully implemented and tested an automation process at the 3rd Ave. Pump Station facility. This has historically been a continuously manned operation (24/7) costing over a half million a year. We now have full remote control of all of the pumping, screening and control operations reducing the cost by over $315,000 annually.

At the Pollution Control Facility, the sewer plant, engineering plans are near complete that will eliminate the use of the incinerator. Construction will begin this year and after completion should result in another half million savings annually.

Over the next 5 years, think of what we will accomplish.
$5 million in savings from these 2 plant changes alone

We will have control of our own lake water supply with the river backup
We will have a more natural Flint River with better parks
Our roads will be safer and easier to maintain and trails will connect the city
I can't wait to see it all for myself. This is the Flint we imagine for the 21st Century.

E. Reform Governance

a. Summary of Goal, Objective, Strategies and Projects

b. Recognize Blue Ribbon

c. Partnership Approach with State, EM, Mayor and Council

There is one more priority area that I need to address. It came up in every community planning session. Flint's Governance. We have to make changes. One of the most important objectives in the Master Plan for a Sustainable Flint is Objective #9 in the Infrastructure and Community Facilities Plan. It was placed here because of its importance related to the City's large financial commitments in utilities, but it applies across the board. And I quote: "Operate in an open and financially stable manner, including improving citizen access, focusing on measurable results, improving the City's financial position and eliminating accumulated deficits."

As much as we need a City of Flint Strategic Plan to guide future budgets, we also need to reform how we manage the City in a fundamental way. Previously I have called for reducing mayoral appointees and council and restructuring city functions to protect the general fund for public safety. This was about shrinking city hall but upon further reflection smaller by itself isn't the solution.

As I said, the State of the City is that Flint is smaller yet stronger and smarter. This is what we need in our governance too. Stronger and smarter. We need new proposals to ensure 5 year financial projections and accurate revenue estimates are used, not as a matter of choice but as a matter of law—in the charter and in our ordinances. I believe we need to protect the professionalism of top City officials in finance and administration so that once they are appointed they can do their jobs in the public interest.

The Blue Ribbon Governance Committee, that myself and Councilman Nolden and other community members are participating in, will be making recommendations about how we can improve our governance. It is my hope that we will have charter

amendments on the ballot this year so we can prove that we are prepared to make lasting changes for the better.

There are a number of members of the Blue Ribbon Governance Committee who are here. We are meeting about 2 times a month and will soon be organizing broader public input as we consider reform proposals. Would all of the members of the governance committee please stand and be recognized for your time and commitment.

It was the Emergency Manager Darnell Earley who came up with the idea of the Governance Committee. I applaud his willingness to engage the community, and work with Council and me, to get us to transition as soon as possible. We are all more than ready to put these challenges to rest and move forward. Mr. Earley has a part to do. I have a part to do. Council President Kincaid has a part to do. Every Council person has a role. And so do you.

Here at City Hall we must work together to check off items on the transition management plan as quickly as we can in a responsible manner. Strategic Plan. Five Year Forecast. 2 year budget. Get involved in this process. It is going to be a busy 3 months here on the 3rd Floor.

I am prepared to lead the City back to home rule. I will need cooperation from the City Council and the Community.

This is about going forward, not falling back.

And yes, we will have to address a number of difficult financial challenges that are still before us. The FY15 budget will be challenging and with the current court order on health care reimbursements, the changes in personnel levels and services may not be over. The reality is that we need cost savings from health care in order to protect pensions and keep us on a path to solvency and stability. I call on all parties to work together. Collaboration is critical in order for us to be successful.

And we need citizens involved and informed. The next City Council Finance Committee meeting is tentatively scheduled for Wednesday March 12th starting at 4:45pm. Attend if you can and let us know your ideas for our strategy and budget going forward.

IV. Call to Action for Citizens & Partners

Our new Master Plan for a Sustainable Flint came out of the Imagine Flint planning process. As the text in the plan states: *Imagine Flint was, and I quote, "the result of thousands of people who dared to imagine a better Flint; who love their City so much, they took the time to come together to discuss their ideas, voice their fears and concerns, and share their dreams and aspirations. With the knowledge that there is much more work to be done and the willingness to do it, the people of Flint have imagined a better life that they themselves can help create."*

This spirit of service and commitment to the common good is one of the distinguishing features of our community and indeed our country. We have proudly born our burdens as we worked for better solutions, often as volunteers, unpaid yet passionate. Consider all of the action steps we have touched on today, and this is only a fraction of the whole. I see a surge of service stepping up in Flint, there is an army assembling to work for change. This is an exciting time to be here and be part of this transformation.

President John F. Kennedy may have said it best at his first inauguration in 1961 and his words apply to our Flint community as well as to the United States at large: "I do not believe that any of us would exchange places with any other people or any other generation. The energy, the faith, the devotion which we bring to this endeavor will light our country and all who serve it. And the glow from that fire can truly light the world. And so, my fellow Americans, ask not what your country can do for you; ask what you can do for your country."

And so my fellow Flintstones, now that you have heard the State of the City, now that you know about the key initiatives, now that you have been updated on the war on

blight, the fight against crime, our commitment to community schools, to jobs, to reforms…

Do not first ask what your City can do for you

First ask what you can do for Flint

What will you do for Flint?

We have a list of top ways to implement the master plan. We have a copy for everyone as you leave. Choose one. Get started. Love Your Block. Love Your City. Love Your Neighbor as Thyself. This starts with families, friends and neighbors taking care of each other.

There is so much to do and so many ways to do it.

We will be working with the American Red Cross to be better prepared and protected. March is Red Cross month.

I will lead a Mayors Wellness Challenge this April starting with a community weigh in right here in City Hall and then doing activities like healthy cooking demonstrations, walks and exercise classes.

We can all be part of the solution for assisting families truly struggling with their utility bills by using the new Flint income tax check off for Water Fund contributions that will go to the United Way.

Information on all of these initiatives and more are featured in the Citizen Action Fair in the lobby on the first floor as you leave.

We need you to help implement the master plan.

We need you to join the battle against blight.

V. Conclusion

Volunteers are force multipliers
Collaboration is critical
And all of this makes our investments go further, create more jobs, serve more families

The end to our valley forge winter is inevitable. The snow will melt. A new season will come. The war is declared. The battle is in front of us. We are smaller, yet stronger and smarter. And in Flint, we never, ever, ever give up.

May God bless you

May God bless Flint

Thank you

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Tuesday, March 18, 2014 4:15 PM
To: BymeR1@michigan.gov; Deasy, Thomas (MSP); Kapp, Gene (MSP); Lee, Nichole (MSP); Muchmore, Dennis (GOV); Roberts, John (DTMB); Sands, Thomas (MSP); Sipes, Stephen (MSP); West, Samantha (GOV); Dempkowski, Angela (Treasury); Baird, Richard (GOV); Larkin, Brian (GOV); Darnell Earley; Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Etue, Kriste (MSP); Hollins, Harvey (GOV); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY)
Subject: Conference Call Agenda
Attachments: Agenda 031914 Conf. Call with Treasury.pdf

Good afternoon,

Please find attached the agenda for the conference call scheduled for Wednesday, March 19, 9:00 am.

Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Darnell Earley, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

City of Flint Wednesday 9:00 am Phone Conference Agenda
March 19, 2014

Redacted

4) Financial Update

a) Deficit Elimination Plan – S. Schafer found no accounting concerns. COF is intending to proceed along lines of DEP as we await formal approval.

b) Approval of the budget amendment still pending – 4 weeks. Because of Water Treatment Plant update expense and timeline, we are proceeding as we await formal approval of the amendment. That is also important because the amendment maintains the $1million in deficit reduction.

c) Thanks to Treasury for assistance in moving Administrative Consent Order through the DEQ, however the process is still moving slowly. ACO is still not approved.

d) Update on E&Y contract: held a phone conference with Treasury about Hurley, Water and Sewer study and their update of the 5 year financial projections.

Redacted

Redacted

7) **Water Issues**

The Water Plant held a ceremonial ground-breaking for the update to the water treatment plant in preparation to transition to Flint River use as drinking water source.

We will know by the first of next week the certainty of being on the river in April.

We are currently in negotiations with GCDC on purchase of pipeline. COF is making counter-proposal on sale of pipeline (using $4million appraisal value). Need to know Treasury will approve sale using this appraisal.

Redacted

Redacted

Attachment A

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

Attachment B

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Tuesday, April 01, 2014 4:53 PM
To: Byrne, Randall (Treasury); Deasy, Thomas (MSP); Kapp, Gene (MSP); Lee, Nichole (MSP); Muchmore, Dennis (GOV); Roberts, John (DTMB); Sands, Thomas (MSP); Sipes, Stephen (MSP); West, Samantha (GOV); Dempkowski, Angela (Treasury); Baird, Richard (GOV); Larkin, Brian (GOV); Darnell Earley; Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Etue, Kriste (MSP); Hollins, Harvey (GOV); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); McGowan, Emmitt (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY)
Subject: Conference Call Agenda - April 2, 2014
Attachments: Agenda for April 2, 2014 Conference Call.pdf

Good afternoon,

Attached is the agenda for the conference call scheduled for Wednesday, April 2nd, 9:00 am.

Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Darnell Earley, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

City of Flint Wednesday 9:00 am Phone Conference Agenda
April 2, 2014

Redacted

c) Water Treatment Plant – Resolutions authorizing contractors approved by Treasury. Frost conditions and easement issues with Consumers Energy may impact completion date, but are being addressed. DEQ ACO has been approved. Awaiting approval of Construction Permit, discussions with Water and Solid Waste Divisions ongoing. Must be resolved this week or significant delay with project could occur.

Redacted

Redacted

6) **Water Issues**

a) Water Issues – DEQ permits are expected to be received this week. Consumers Powers easements issues are being addressed. However, termination of water service from DWSD may be delayed. Awaiting confirmation of terms from DWSD by which water will continue to be purchased from DWSD – presumably the terms outlined in their February 12, 2014 letter. Delay *could* be a matter of weeks, but certainly no later than June 30, 2014.

b) Negotiations with GCDC continue with regards to sale of the pipeline section. COF current proposal is for $3.9 million sale price, the value established in recent valuation. Valuation has been submitted and reviewed by Treasury. Submission to Treasury for approval is anticipated prior to ending relationship with DWSD. Also, COF is negotiating back-up service agreement for GCDC for period between DWSD termination and KWA start-up.

c) Water and Sewer Rate Study – the final draft is due shortly and will be reviewed with the Public Works Committee on April 10.

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Monday, April 14, 2014 5:14 PM
To: Byrne, Randall (Treasury); Kapp, Gene (MSP); Muchmore, Dennis (GOV); Roberts, John (DTMB); West, Samantha (GOV); Dempkowski, Angela (Treasury); Baird, Richard (GOV); Larkin, Brian (GOV); Darnell Earley; Deasy, Thomas (MSP); Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Etue, Kriste (MSP); Hollins, Harvey (GOV); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); Lee, Nichole (MSP); McGowan, Emmitt (MSP); Sands, Thomas (MSP); Sipes, Stephen (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY)
Cc: Clayton, Stacie (GOV)
Subject: Conference Call Agenda for Wednesday, April 16th
Attachments: City of Flint Wednesday 9am Meeting041614.doc

Good afternoon,

Attached is the agenda for the Wednesday, April 16th conference call.

Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Darnell Earley, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

Redacted

The proposal also included an Asset Management Plan for the Wastewater Treatment Plant. The Plant's NPDES permit renewal will require this in the upcoming fiscal year. That AMP is estimated to cost $300,000, which will now have to be funded internally.

4) City Council Update

a) Schedule for Council review of two year budget established upon receipt of proposed budget on April 30. Council, working through its Finance Committee will meet between May 5 and May 17 to review budget. Council plans to hold public hearing on May 18 and to provide comments and recommendations to EM by May 28.

b) Council held a Special Meeting on April 7 to take up the 7 Point Transition Management Plan which was postponed from the March 24 meeting. Plan was adopted on a 5-4 vote.

c) The Public Works Committee met on Thursday April 10 to listen to a presentation on the Water and Sewer Rate Study results. Study recommends a rate increase and substantiates City's decision to go with KWA. Only council members were allowed to ask questions. A public question and answer session will be held on Thursday April 17. Considerable public opposition is brewing to any rate increase.

d) The next regular City Council meetings are scheduled for Wednesday, April 30; Monday, May 19; Monday June 16, 2014.

Redacted

6) Water Issues

a) Water Issues – DEQ construction permits were received last week for the Water Treatment Plant and Bray Rd. site. Easement issues with Consumers Energy have been resolved. A series of meetings, media activities and other forms of notification about water change over are being planned. Start date goal: April 17, 2014.

b) Negotiations with GCDC continue with regards to sale of the pipeline section. COF current proposal is for $3.9 million sale price, the value established in recent valuation. Valuation has been submitted and reviewed by Treasury. Submission to Treasury for approval is anticipated prior to ending relationship with DWSD. Also, COF is negotiating back-up service agreement for GCDC for period between DWSD termination and KWA start-up.

Redacted

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Tuesday, April 29, 2014 1:22 PM
To: Byrne, Randall (Treasury); Kapp, Gene (MSP); Muchmore, Dennis (GOV); Roberts, John (DTMB); West, Samantha (GOV); Dempkowski, Angela (Treasury); Baird, Richard (GOV); Larkin, Brian (GOV); Darnell Earley; Deasy, Thomas (MSP); Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Etue, Kriste (MSP); Hollins, Harvey (GOV); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); Lee, Nichole (MSP); McGowan, Emmitt (MSP); Sands, Thomas (MSP); Sipes, Stephen (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY)
Subject: Agenda and Materials for April 30th Call
Attachments: Agenda and MIOSHA document.PDF

Good afternoon,

Please find attached the agenda and materials for the Wednesday, April 30th, 9:00 am conferemce call.

Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Darnell Earley, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

City of Flint Wednesday 9:00 am Phone Conference Agenda
April 30, 2014

Redacted

Redacted

6) Water Issues

a) The City has successfully transitioned from DWSD to full operation on the Flint River. Shut-off ceremony was held on Friday, April 25, 2014. All DEQ requirements have been met.

b) Negotiations with GCDC continue with regards to sale of the pipeline section. COF current proposal is for $3.9 million sale price, the value established in recent valuation. Valuation has been submitted and reviewed by Treasury. Submission to Treasury for approval is anticipated prior to ending relationship with DWSD. Also, COF is negotiating back-up service agreement for GCDC for period between DWSD termination and KWA start-up.
State approval needed so that notice may be issued to Flint City Council.

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

From: Elizabeth Murphy <emurphy@cityofflint.com>
Sent: Tuesday, May 27, 2014 3:27 PM
To: Byrne, Randall (Treasury); Kapp, Gene (MSP); Muchmore, Dennis (GOV); Roberts, John (DTMB); West, Samantha (GOV); Dempkowski, Angela (Treasury); Baird, Richard (GOV); Larkin, Brian (GOV); Darnell Earley; Deasy, Thomas (MSP); Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Etue, Kriste (MSP); Hollins, Harvey (GOV); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); Lee, Nichole (MSP); McGowan, Emmitt (MSP); Sands, Thomas (MSP); Sipes, Stephen (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY); Peter Bade; David Cox Jr.
Subject: Conference Call Agenda May 28, 2014
Attachments: Agenda 052814 Conf Call.pdf

Good Afternoon,
Please find attached the agenda for the Wednesday, May 28th conference call.

--
Liz Murphy
Assistant to the Emergency Manager
City of Flint
[redacted]

City of Flint Wednesday 9:00am Phone Conference Agenda
May 28, 2014

7) **Water Issues**

a) The City Council met twice to discuss the sale of a 9 mile section of unused pipeline to the GCDC. The City had negotiated a sale price of $3.9 million. Council first voted to reject the sale. A second meeting resulted in a vote to sell the pipe section for $3.9 million but receive the funds in two payments over two fiscal years. It is unknown if the City council made a submission of this proposal to the local emergency financial assistance loan board. Does Flint have Treasury's approval to execute the contract of sale?

CITY OF FLINT - FIVE YEAR OUTLOOK
All Funds Summary

			Current	Proposed	Proposed	Projected	Projected	Projected
Sewer Fund		590	FY14	FY15	FY16	FY17	FY18	FY19
	Revenues		$31,829,269	$30,256,545	$32,346,745	$32,346,745	$32,346,745	$32,346,745
	Expenses		$31,829,269	$30,256,545	$32,346,745	$34,809,099	$36,149,143	$37,216,997
	Cumulative Gap		$0	$0	$0	($2,462,354)	($5,264,752)	($10,134,984)
	Annual Gap		$0	$0	$0	($2,462,354)	($3,802,398)	($4,870,252)
Water Fund		591						
	Revenues		$47,896,872	$37,500,000	$37,500,000	$37,500,000	$37,500,000	$37,500,000
	Expenses		$47,896,872	$34,503,530	$35,012,250	$38,641,189	$40,741,808	$41,663,728
	Cumulative Gap		$0	$2,996,470	$2,487,750	($1,141,189)	($4,383,996)	($8,529,824)
	Annual Gap		$0	$0	$0	($1,141,189)	($3,241,808)	($4,163,728)
Water and Sewer		590 & 591						
	Revenues		$79,826,141	$67,756,545	$69,846,745	$69,846,745	$69,846,745	$69,846,745
	Expenses		$79,826,141	$64,760,075	$67,358,995	$73,450,288	$76,891,049	$79,160,682
	Cumulative Gap		$0	$2,996,470	$2,487,750	($3,603,543)	($10,647,847)	($19,961,784)
	Annual Gap		$0	$0	$0	($3,603,543)	($7,044,304)	($8,313,937)

CITY OF FLINT - FIVE YEAR OUTLOOK
Pension and Retiree Healthcare Costs

			Current FY14	Proposed FY15	Proposed FY16	Projected FY17	Projected FY18	Projected FY19
Sewer Fund		590						
	Retiree Healthcare		$2,329,983	$2,447,568	$2,594,420	$2,750,085	$2,915,090	$3,089,996
	Pension		$2,179,100	$2,040,715	$2,163,159	$2,292,949	$2,430,525	$2,576,357
	Other expenses		$27,420,186	$25,768,264	$27,589,166	$29,566,065	$30,803,527	$31,550,604
	Total		$31,929,269	$30,256,545	$32,346,745	$34,609,099	$36,149,143	$37,216,957
	Healthcare & Pension %		14%	15%	15%	16%	15%	15%
Water Fund		591						
	Retiree Healthcare		$1,680,062	$2,963,586	$3,141,403	$3,329,887	$3,528,680	$3,741,461
	Pension		$1,815,687	$1,803,098	$1,911,284	$2,025,961	$2,147,519	$2,276,370
	Other expenses		$44,401,123	$29,736,844	$29,859,563	$33,485,341	$35,064,707	$35,925,894
	Total		$47,896,872	$34,503,530	$35,012,250	$38,841,189	$40,741,906	$41,943,725
	Healthcare & Pension %		7%	14%	14%	14%	14%	14%
Water and Sewer		**590 & 591**						
	Retiree Healthcare		**$4,010,045**	**$5,411,154**	**$5,736,823**	**$6,079,972**	**$6,444,771**	**$6,831,457**
	Pension		**$3,994,787**	**$3,843,813**	**$4,074,443**	**$4,318,910**	**$4,578,044**	**$4,852,727**
	Other expenses		**$71,821,309**	**$55,505,108**	**$57,548,729**	**$63,051,406**	**$65,868,234**	**$67,476,498**
	Total		**$79,826,141**	**$64,760,075**	**$67,358,995**	**$73,450,288**	**$76,891,049**	**$79,160,682**
	Retiree Healthcare as % of Total Expenses		**5%**	**8%**	**9%**	**8%**	**8%**	**9%**
	Pension as % of Total Expenses		**5%**	**6%**	**6%**	**6%**	**6%**	**6%**
	Healthcare & Pension %		**10%**	**14%**	**15%**	**14%**	**14%**	**15%**

From: Muchmore, Dennis (GOV)
Sent: Tuesday, May 27, 2014 4:59 PM
To: Clement, Elizabeth (GOV); Rustem, William (GOV); Etue, Kriste (MSP); Tedder, Greg (GOV)
Subject: FW: Conference Call Agenda May 28, 2014
Attachments: Agenda 052814 Conf Call.pdf

From: Elizabeth Murphy [mailto:emurphy@cityofflint.com]
Sent: Tuesday, May 27, 2014 3:27 PM
To: Byrne, Randall (Treasury); Kapp, Gene (MSP); Muchmore, Dennis (GOV); Roberts, John (DTMB); West, Samantha (GOV); Dempkowski, Angela (Treasury); Baird, Richard (GOV); Larkin, Brian (GOV); Darnell Earley; Deasy, Thomas (MSP); Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Etue, Kriste (MSP); Hollins, Harvey (GOV); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); Lee, Nichole (MSP); McGowan, Emmitt (MSP); Sands, Thomas (MSP); Sipes, Stephen (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY); Peter Bade; David Cox Jr.
Subject: Conference Call Agenda May 28, 2014

Good Afternoon,
Please find attached the agenda for the Wednesday, May 28th conference call.

--
Liz Murphy
Assistant to the Emergency Manager
City of Flint
[redacted]

City of Flint Wednesday 9:00am Phone Conference Agenda
May 28, 2014

Redacted

Redacted

7) **Water Issues**
   a) The City Council met twice to discuss the sale of a 9 mile section of unused pipeline to the GCDC. The City had negotiated a sale price of $3.9 million. Council first voted to reject the sale. A second meeting resulted in a vote to sell the pipe section for $3.9 million but receive the funds in two payments over two fiscal years. It is unknown if the City council made a submission of this proposal to the local emergency financial assistance loan board. Does Flint have Treasury's approval to execute the contract of sale?

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Tuesday, August 19, 2014 2:36 PM
To: Byrne, Randall (Treasury); Kapp, Gene (MSP); Muchmore, Dennis (GOV); Roberts, John (DTMB); West, Samantha (GOV); Dempkowski, Angela (Treasury); Baird, Richard (GOV); Larkin, Brian (GOV); Darnell Earley; Deasy, Thomas (MSP); Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Etue, Kriste (MSP); Hollins, Harvey (GOV); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); Lee, Nichole (MSP); McGowan, Emmitt (MSP); Sands, Thomas (MSP); Sipes, Stephen (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY)
Subject: Conference Call Agenda
Attachments: Agenda 081914 and Attachment.pdf

Good afternoon,

Please find attached the agenda for the Wednesday, August 20th, 9:00 am conference call.

Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Darnell Earley, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

City of Flint Wednesday 9:00am Phone Conference Agenda
August 20, 2014

Redacted

Redacted

7) **Water Issues**
   a) The cost of providing water is becoming a state-wide issue for distressed communities. Let's begin a larger conversation on both the impacts and the potential limitations for cities and how the State could play a role. Meeting held last week with United Way and Resource Genesee to discuss options for residents who receive water shut off notices.
   b) Glenn Acres – water turn-on order from Judge Hayman
   c) Limited area boil-water notice
   d) General Motors Water Issues

Redacted

Attachment: Steps to Prepare for Transition from Emergency Manager to Receivership Transition Advisory Board

1-888-557-8511, access code 3389106
Created on: 08/15/14

Redacted

Redacted

Redacted

Redacted

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Tuesday, September 02, 2014 8:31 AM
To: Byrne, Randall (Treasury); Kapp, Gene (MSP); Muchmore, Dennis (GOV); Roberts, John (DTMB); West, Samantha (GOV); Dempkowski, Angela (Treasury); Baird, Richard (GOV); Darnell Earley; Deasy, Thomas (MSP); Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Etue, Kriste (MSP); Hollins, Harvey (GOV); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); Lee, Nichole (MSP); McGowan, Emmitt (MSP); Smith, Paul (GOV); Sands, Thomas (MSP); Sipes, Stephen (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY)
Subject: Conference Call Agenda for 09/03/14
Attachments: Agenda & Attachments 090314 Conf Call with Treasury.pdf

Good morning,

Please find attached the agenda and attachment for the September 3rd, 9:00 am conference call.

Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Darnell Earley, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

City of Flint Wednesday 9:00am Phone Conference Agenda
September 3, 2014

Redacted

7) **Water Issues**
   a) Glenn Acres – water turn-on order from Judge Hayman. Judge has put complex in hands of a receiver.

b) Limited area boil-water notice – resolved.
c) General Motors Water Issues – resolved. However, if this should become an issue for the GCDC with DWSD we would hope Treasury will be supportive of the GM-GCDC franchise customer agreement.

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

From: Muchmore, Dennis (GOV)
Sent: Wednesday, September 10, 2014 11:59 AM
To: Clement, Elizabeth (GOV); Workman, Wayne (TREASURY); Saxton, Thomas (Treasury)
Subject: Fwd: John Gleason correspondence for the Governor
Attachments: JJG Letter to the Governor - Flint Water Concerns 09-10-14.pdf; ATT00001.htm

This issue is getting bigger all the time. How do we help the people of Flint?

Begin forwarded message:

> **From:** "Raleigh, Leslie" <lraleigh@co.genesee.mi.us>
> **Date:** September 10, 2014 at 11:55:03 AM EDT
> **To:** "Dennis Muchmore (muchmored@michigan.gov)" <muchmored@michigan.gov>, "Wendy Wisniewski (wisniewskiw@michigan.gov)" <wisniewskiw@michigan.gov>
> **Subject: John Gleason correspondence for the Governor**
>
> Good Morning Mr. Muchmore and Ms. Wisniewski,
>
> Attached, please find a correspondence from Genesee County Clerk John J. Gleason to Governor Rick Snyder. He would appreciate it very much if you could please forward on to the Governor's attention.
>
> Thank you and Best Regards,
>
> *Leslie A. Raleigh*
> Chief Deputy Clerk/Administrative Assistant
> 900 S. Saginaw St.
> Flint, Mi. 48502
> 810-257-3224
> lraleigh@co.genesee.mi.us

JOHN J. GLEASON
GENESEE COUNTY CLERK

OFFICE OF THE COUNTY CLERK
GENESEE COUNTY COURTHOUSE
900 SOUTH SAGINAW STREET
FLINT, MICHIGAN 48502

ADMINISTRATION (810) 257-3282
COURT RECORDS (810) 257-3220
ELECTIONS (810) 257-3283
VITAL RECORDS (810) 257-3225

September 10, 2014

Governor Snyder,

The recent water concern in the City of Flint has revealed two actions for future drinking water shortages.

In the past, the Flint area has used the National Guard water tanker for local road races. Also, daily water tankers fill our local swimming pools.

When we have large numbers of citizens that must use the "Boil the Water" process, why can't we use the tankers I mentioned above?

Flint has gone days without drinking water.

With such a basic life need, let's try some possible solutions! We could dispense the water at Senior Centers, community gathering locations, neighborhood schools and churches. This could be seen as a training experience for the National Guard or Reserves.

Governor, the need is there and the tankers are at hand.

Thanks for your time and please let me know what you think.

I hope this note finds you and your family in fine health.

Genesee County Clerk
John J. Gleason

From: Clement, Elizabeth (GOV)
Sent: Wednesday, September 10, 2014 12:33 PM
To: Muchmore, Dennis (GOV)
Cc: Clement, Elizabeth (GOV); Workman, Wayne (TREASURY); Saxton, Thomas (Treasury)
Subject: Re: John Gleason correspondence for the Governor

I talked with John for a while yesterday. I can fill you in.

On Sep 10, 2014, at 11:59 AM, "Muchmore, Dennis (GOV)" <muchmored@michigan.gov> wrote:

> This issue is getting bigger all the time. How do we help the people of Flint?
>
> Begin forwarded message:
>
> **From:** "Raleigh, Leslie" <lraleigh@co.genesee.mi.us>
> **Date:** September 10, 2014 at 11:55:03 AM EDT
> **To:** "Dennis Muchmore (muchmored@michigan.gov)" <muchmored@michigan.gov>, "Wendy Wisniewski (wisniewskiw@michigan.gov)" <wisniewskiw@michigan.gov>
> **Subject: John Gleason correspondence for the Governor**
>
> Good Morning Mr. Muchmore and Ms. Wisniewski,
>
> Attached, please find a correspondence from Genesee County Clerk John J. Gleason to Governor Rick Snyder. He would appreciate it very much if you could please forward on to the Governor's attention.
>
> Thank you and Best Regards,
>
> *Leslie A. Raleigh*
> Chief Deputy Clerk/Administrative Assistant
> 900 S. Saginaw St.
> Flint, Mi. 48502
> 810-257-3224
> lraleigh@co.genesee.mi.us

<JJG Letter to the Governor - Flint Water Concerns 09-10-14.pdf>

From: Workman, Wayne (TREASURY)
Sent: Wednesday, September 10, 2014 1:27 PM
To: Clement, Elizabeth (GOV); Muchmore, Dennis (GOV)
Cc: Saxton, Thomas (Treasury)
Subject: RE: John Gleason correspondence for the Governor

Do you want us to reach out to the EM for a prognosis ?

From: Clement, Elizabeth (GOV)
Sent: Wednesday, September 10, 2014 12:33 PM
To: Muchmore, Dennis (GOV)
Cc: Clement, Elizabeth (GOV); Workman, Wayne (TREASURY); Saxton, Thomas (Treasury)
Subject: Re: John Gleason correspondence for the Governor

I talked with John for a while yesterday. I can fill you in.

On Sep 10, 2014, at 11:59 AM, "Muchmore, Dennis (GOV)" <muchmored@michigan.gov> wrote:

> This issue is getting bigger all the time. How do we help the people of Flint?
>
> Begin forwarded message:
>
> **From:** "Raleigh, Leslie" <lraleigh@co.genesee.mi.us>
> **Date:** September 10, 2014 at 11:55:03 AM EDT
> **To:** "Dennis Muchmore (muchmored@michigan.gov)" <muchmored@michigan.gov>, "Wendy Wisniewski (wisniewskiw@michigan.gov)" <wisniewskiw@michigan.gov>
> **Subject: John Gleason correspondence for the Governor**
>
> Good Morning Mr. Muchmore and Ms. Wisniewski,
>
> Attached, please find a correspondence from Genesee County Clerk John J. Gleason to Governor Rick Snyder. He would appreciate it very much if you could please forward on to the Governor's attention.
>
> Thank you and Best Regards,
>
> *Leslie A. Raleigh*
> Chief Deputy Clerk/Administrative Assistant
> 900 S. Saginaw St.
> Flint, Mi. 48502
> 810-257-3224
> lraleigh@co.genesee.mi.us

<JJG Letter to the Governor - Flint Water Concerns 09-10-14.pdf>

From: Workman, Wayne (TREASURY)
Sent: Wednesday, September 10, 2014 1:46 PM
To: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Saxton, Thomas (Treasury)
Subject: FW: PRESS RELEASE: Boil Water Advisory Lifted
Attachments: Recent Boil Water Notice Lifted 9.9.14.pdf

Water is back on as of yesterday. Checking with City on how confident they are that it is fixed.

From: Byrne, Randall (Treasury)
Sent: Wednesday, September 10, 2014 1:33 PM
To: Workman, Wayne (TREASURY)
Cc: Koryzno, Edward (Treasury)
Subject: FW: PRESS RELEASE: Boil Water Advisory Lifted

Wayne:

I received this late yesterday.

Randy,

From: Jason Lorenz [mailto:jlorenz@cityofflint.com]
Sent: Tuesday, September 09, 2014 5:15 PM
To: Jason Lorenz
Subject: Re: PRESS RELEASE: Boil Water Advisory Lifted

PLEASE SEE ATTACHED.

Thank You.

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

On Tue, Sep 9, 2014 at 4:36 PM, Jason Lorenz <jlorenz@cityofflint.com> wrote:

For Immediate Release (Official Signed Notice to Follow)

City of Flint Boil Water Advisory Lifted

Flint, Michigan – September 9, 2014 – The City of Flint's Utilities Department and the DEQ have lifted both of the boil water advisories from this week for a western portion of the city. Testing results from all areas of the city confirm that the water is safe for all purposes. "The investigation into the cause of the boil water advisories continues," said Emergency Manager Darnell Earley, "we will share the results from that investigation once it is available."

–END–

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

CITY OF FLINT

Department of Public Works

Dayne Walling
Mayor

Darnell Earley, ICMA-CM, MPA
Emergency Manager

Howard Croft
Director

Date: September 9, 2014

RECENT BOIL WATER NOTICE LIFTED

It is no longer necessary to use bottled water or boil water before drinking it. No coliform bacteria have been detected in follow-up testing of the system's water. This, in addition to treatment and adjustments made to the system, indicates that the water is now safe to drink.

Customers with questions or concerns about the water should contact Adam Rosenthal, Michigan Department of Environmental Quality 517-335-9715 or for more information, please contact Brent Wright of City of Flint Water Treatment Plant at 810-787-6537, bwright@cityofflint.com .

4500 N. Dort Hwy
Flint, MI 48505

This notice is being sent to you by City of Flint, Water Supply serial number 2310.

Howard D. Croft
Public Works Director

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Monday, October 13, 2014 4:37 PM
To: Byrne, Randall (Treasury); Kapp, Gene (MSP); Muchmore, Dennis (GOV); Roberts, John (DTMB); Dempkowski, Angela (Treasury); Baird, Richard (GOV); Darnell Earley; Deasy, Thomas (MSP); Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Etue, Kriste (MSP); Hollins, Harvey (GOV); Hill, Darryl (MSP); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); Lee, Nichole (MSP); McGowan, Emmitt (MSP); Smith, Paul (GOV); Sands, Thomas (MSP); Sipes, Stephen (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY); West, Samantha (GOV)
Subject: Bi-Weekly Conference Call Agenda
Attachments: Agenda & Attachments 101514 Conf Call with Treasury.pdf

Good afternoon,

Please find attached the Agenda for the Wednesday, October 15th, 9:00 am conference call.

Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Darnell Earley, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

City of Flint Wednesday 9:00am Phone Conference Agenda
October 15, 2014

Redacted

7) **Water Issues**
   a) Flint will continue to investigate why conditions develop which are favorable for more severe problems to occur. Pursuing these investigations may include seeking additional professional assistance to review both systems and processes. Whenever hydrants are

running to clear lines: new signs are posted to show intended water running. Major line breaks are announced through a press release and include estimated time to resolve.

b) General Motors Water Issues – working through lawyers at this point. We are close to a final agreement regarding their level as a customer with the City of Flint.

Redacted

City of Flint Strategic Plan

Quarterly Report

July 1, 2014 – September 30, 2014

CITY OF FLINT

OFFICE OF THE EMERGENCY MANAGER

Darnell Earley, ICMA-CM, MPA
Emergency Manager

DATE: October 10, 2014

TO: Scott Kincaid, President, Flint City Council
City Council

FROM: Darnell Earley, Emergency Manager
Dayne Walling, Mayor

RE: City of Flint Strategic Plan, First Quarter Report

Earlier this year, the City Council of Flint adopted a Strategic Plan for the City of Flint. This Plan announced a Vision, Mission, and Goals to guide the operation of the City government for the next five years, and was adopted in the context of the City's recently adopted Master Plan for the community. It was followed by a statement of budget priorities adopted by the City Council, and ultimately by a biennial budget for FY15 and FY16. The budget also projected the City's finances for the following three years – FY17, FY18, and FY19. During this same period a Deficit Elimination Plan and Reserve Accumulation Plan was approved by the State and a Seven Point Transition Management Plan was enacted to guide the way by which the operation of the City will be assumed by the Mayor and City Council . The integration of the Strategic Plan into the organizational processes of the City is a key component of the Seven Point Transition Management Plan.

In total, these actions comprise a broad framework guiding the direction of the Flint City government as it restores financial stability and once again becomes an active leader focused on making Flint a safe, secure city attractive to residents, businesses, students, and visitors.

The first quarter of FY15 ended on September 30, 2014. We are pleased to report on the progress which has been made. While significant progress has been made on many fronts, significant challenges and risks remain.

We wish to commend the Management Team and our employees for their dedicated efforts to move the City forward. We look forward to discussing the contents of the report with you.

Overview

The City of Flint has a vision and a plan and now it is focused on implementation in order to achieve a stronger and financially sound municipal government along with a safer and more stable community. To succeed, however, City leaders must follow the plan with discipline and commitment. They cannot stop halfway or leave work half-done—and everyone has an important role to play. Working together as a team, the City of Flint has been successful in the previous quarter in increasing public safety, improving infrastructure, creating jobs and development, eliminating blight, engaging citizens and managing financial and administrative challenges. Areas of success include:

- Law enforcement is working hard with growing community support and total homicide victims is down 18% compared with 2013.
- Utilities is managing with an eye toward the future and the construction of the KWA pipeline is underway, on time and within budget.
- Development activities have increased with new facilities under construction at GM Flint Assembly, on the Buick City brownfield site with American Pipe, and downtown in the Health and Wellness District.
- Blighted properties continue to be eliminated, using state and federal funds, and neighborhood volunteer groups have removed more than 2 million pounds of trash in major clean-up efforts.
- The General Fund deficit continues to be reduced, and the City's financial position is stabilized at least for the near term. Preliminary projections show the deficit as of June 30, 2014 to be $9 million, a reduction from $12.9 million the previous year.
- Revenues and expenses for the first quarter of FY15 are in line with expectations.
- Internal restructuring of the City continues at it strives to become efficient, effective, and customer service focused in an environment much smaller than in the past.
- The transition from state oversight to traditional home rule is underway, guided by the Seven Point Plan recently enacted. If progress continues as anticipated, the next step in transition will occur in 2015.

Challenges also continue. The transition from DWSD to the Flint River for the City's temporary supply of water until KWA is complete has occurred; however, the work of producing treated water has been complicated by the system's aging infrastructure and varying temperatures. A badly needed update to the City's web site is underway; progress has been delayed from initial completion targets as the selected vendor was unable to perform necessary tasks. The retiree lawsuit, whose outcome can seriously affect the financial solvency of the City, remains unresolved. Work continues to get done under difficult circumstances with limited resources, however the new strategic planning process is improving the City of Flint's productivity, responsiveness and accountability.

Assuring Accountability to Adopted Plans and Budget

The Strategic Plan for FY15-FY19 and the Biennial Budget for FY15 and FY16 charts the course for the Flint City government as it emerges from near financial insolvency and establishes itself as a municipal government providing residents, businesses, students and visitors public services in a customer friendly and financially responsible manner. Near term steps for achieving this have further been defined by a set of priorities set by the Mayor and City Council as the biennial

budget was adopted. Likewise, the Master Plan for a Sustainable Flint, adopted in October 2013 by the Flint City Council and the Flint Planning Commission, provides the framework for ongoing efforts to improve the community as a whole.

Achieving the outcomes desired will be a lengthy and ongoing process. Specific steps to move along this course have been outlined in a series of objectives to be accomplished over the next several years. The purpose of the quarterly report is to hold the City of Flint government accountable to the highlight progress as well as to identify areas of weak performance. The first quarter of FY15 ended on September 30, 2014, and progress has been assessed.

Highlights

Increasing Public Safety

A primary goal of the City is to assure a safe, secure, and healthy environment in which to live, work and play. Well-functioning police, fire and emergency response systems are essential to achieving this. While challenged significantly with less than adequate resources, progress has been made to improve public safety, thanks in part to the assistance and collaboration of the State Police:

- Incidence of Part One crime is down 13%, including a 28% reduction in the number of homicides.
- Response time for police and fire has been decreased
- The decision has been made that the City will rejoin the Genesee County 9-1-1 Consortium. Anticipated to occur by July 1, 2015, this action will result in enhanced service with access to updated technology and will provide some $1 million annually in reduced costs.
- Internal reorganizations and process improvements have been made in the Police and Fire departments to accommodate the reduced staffing made necessary by the City's financial condition. With the assistance of financial assistance from the state, the City is engaged in a comprehensive review of its police and fire structure to determine the most efficient and effective organization for the future.

Improving Infrastructure

A key goal of the City is to provide access to dependable and affordable water sewer, and waste. Another key goal is to assure an adequate and well maintained transportation network. The financial challenges of the past several years has left the City with significant need for reinvestment in virtually all of its infrastructure. While the challenge is enormous, positive steps have been taken:

- The first draft of the City's first comprehensive Capital Improvement Plan has been completed and will shortly be shared with the public for its input.
- The City has recently been notified that it will receive $750,000 in funding for roads, as contained in the new State budget. Planning for use of these funds is beginning, with the expectation that it will be used for badly needed road repairs in the spring.

- The construction of the KWA pipeline is underway, on time and within budget. The transition from DWSD to the Flint River for the City's temporary supply of water until KWA is complete has occurred; however, the work of producing treated water has been complicated by the system's aging infrastructure and varying temperatures.
- Concerns regarding the cost of water to Flint residents and businesses remains a high concern. Investigation of sources of water loss – both from theft and pipe leakage is ongoing. Reports of theft have resulted in criminal investigations, which are significant and ongoing. Several criminal complaints have resulted from the investigation and more are anticipated. Comprehensive programs of water meter replacement and leak detection are being developed.
- Construction will begin in October of a load out facility that will allow the city to shut down the incinerator and realize up to $400,000 a year in operational savings in the sewer fund.
- Investments in the underground utilities infrastructure are being finalized, utilizing budgeted funds for pipe replacement, pipe lining, and installation of technologically advanced water meters.
- Work is being planned to address the condition of city facilities. A contract has been signed to repair the employee and police parking lot and to replace the lighting with LED lights, while a process for evaluating potential energy savings at the Municipal complex is being finalized.

Creating Jobs and Development

One of the goals in the recently adopted Master Plan is to have a growing and diverse economy that spurs innovation and small business development along with an education system that prepares our workforce for jobs paying a livable wage. The Strategic Plan likewise commits the City to foster cooperation between businesses, higher education and medical institutions, nonprofit organizations and community groups to create jobs and development. It also identifies the need for the City to better define the role of the public sector in economic development and also to improve the business climate.

A number of business and community development initiatives are underway across the city.

- Development activities have increased as evidenced by revenues collected from building permits and rental inspections. These revenues are currently projected to exceed budgeted revenues by $300,000 by the end of the fiscal year.
- Increased capacity for compliance with the City's Rental Registration Ordinance is being put into place. A contract for services has been executed, with inspections planned to begin before November 1.
- A new Medical Marijuana ordinance has been enacted. Application forms and related materials are being developed.
- Aggressive pursuit of funding for specific projects promoting development has resulted in more than $4 million to the City, including some $2 million for the redevelopment of Chevy Commons, $1.6 million for reconstruction of Dupont Street. Other grants have been awarded for a revitalization plan the South Saginaw corridor, road diet and bike lanes for Harrison Street, and an analysis of housing for the downtown area.

- Smith Village Development - Of 39 new homes built, 21 have sold, there are six purchase agreements, and 12 are remaining to be sold.
- Gundry and Salem NSP1 Purchase-Rehab-Resale – 14 homes were rehabbed, there are seven purchase agreements, and one home has been sold. Six of the 12 deeds that are in litigation with a previous developer by order of the Court.
- 26 units of senior apartments were made available with the ribbon cutting of Oak Street Apartments, a repurposed closed school building. Renovation was kick started with City of Flint CDBG demolition funds.
- An assessment of the development capacity of Flint's network of Community Housing Development Organizations (CHDO) and Community Development Corporations (CDC) has been completed in partnership with Local Initiatives Support Corporation (LISC). A planning is now underway to determine how the network can support implementation of the city's Master Plan and Blight Elimination Framework.
- In partnership with the local community foundation, public library, community college, and non-profits, began a six month community planning process where over 200 volunteers and stakeholders will create a well-coordinated, integrated system for literacy service delivery that increases literacy levels through a well-managed coalition of organizations.
- The $2.3 Million Community Development Block Grant (CDBG) programming allocation has been implemented. This allocation supports $928,000 of blight elimination, $725,000 in housing rehabilitation and emergency repairs, $227,000 to increase literacy, $124,000 for victim advocacy and fair housing and $184,000 in youth initiatives.

Improving Parks

Encouraging partnerships for recreation and access to open space across the City is a key goal of the Strategic Plan. While City support of its park system has been minimal for the past several years, positive steps, and the creation of partnerships in particular, have been taken towards achieving this goal:

- All City parks are being mowed at least twice per month, and their progress monitored on a regular basis
- Partnerships have been formalized with the Crim Foundation for Basset Park; with Friends of Rollingwood for additional park improvements; with Genesee Conservation District for forestry services; and with Mott Community college for Kearsley Softball Field and the Longway Greenbelt.
- A partnership with Mott Park Association for golf course and clubhouse is being developed.
- Substantial progress on park improvements are occurring at Max Brandon, aided by $200,000 in grant funding.
- Grant funding has also aided improvements at McKinley, and fostered progress on the Grand Traverse Greenway.
- Other improvements are occurring at Thread Lake and Flint Park Lake through the Genesee County Parks Partnership.

- The City is working in partnership with stakeholders at Whaley, Berston, Dewey, Kearsley, Hasselbring and Brennan Parks to leverage additional funding and volunteer assistance to construct further improvements.
- The Senior Center leases have been completed for Hasselbring and Brennen, assuring that senior citizen programming will continue in the City.

Eliminating Blight

Eliminating blight within the next five years is one of the objectives incorporated into the Master Plan, and is recognized by the City as being critical to creating and maintaining a vibrant and growing community. To date:

- A draft Blight Elimination Framework has been developed and widely circulated for public input, reaching approximately 400 residents who have committed to its implementation. The City has committed to organizing its resources around this plan and has appropriated approximately $928,000 for blight elimination activities including the development of a code enforcement program, demolition, and coordination of extensive neighborhood clean ups.
- Several hundred citizen volunteers, working with Cities of Service, Clean & Green, and many neighborhood associations, have spent countless hours on many projects, including removal of more than 2 million pounds of trash from blighted areas, boarding of 575 vacant properties, and mowing some 12,500 properties a total of 28,000 times.
- Over $900,000 in CDBG allocations has been contracted to the Genesee County Land Bank for demolition of approximately 70 commercial and residential structures.
- $2.6 million in Hardest Hit funds were recently allocated to the City in partnership with the Land Bank to demolish some 225 homes in Civic Park. This funding is in addition to the nearly $23 million of both Michigan Blight Elimination and Hardest Hit Grant Funding for demolition of approximately 2,000 debilitated homes. The City has completed more than 1,500 Cut and Plugs in preparation for scheduled demolitions.
- An average of 240 Code Compliance issues are addressed monthly by the City's Blight Elimination Manager. 80% of these are resolved without further code enforcement action.
- The City has recruited 2 AmeriCorps VISTAs volunteers who will start in November and focus on implementation of the Blight Elimination Framework.

Engaging Citizens

An engaged citizenry is essential to creating and maintaining a vibrant growing community. Citizen engagement in Flint increased significantly over the past few years as the City engaged them in the development of the Master Plan. Master Plan implementation has continued to engage citizens, as have other activities fostered by the City:

- All Master Plan Implementation Task Groups have met twice, working on individual actions plans. The City will also be working with 41 neighborhood groups who have

been trained on assessment work and will complete the neighborhood inventory for housing and street lighting by mid-November.

- The Police Department has engaged citizens in several ways, including increased participation by its command officers in community meetings, and by partnership and participation in APLACT (Advocates and Leaders for Police and Community Trust).
- The Department has also expanded use of Blue Badge volunteers in many areas, such as the newly established Citizens Radio Patrol.
- The department also become an active user of social media, promoting Crime Stoppers and Operation Fresh Start, and creating a presence on Facebook and Twitter.
- The Fire Department has also increased its presence in the community through its "Knock and Talk" initiative.
- Citizen engagement has also been enhanced with the placement of national service teams in the City of Flint, one from the National Civilian Community Corps and one from VISTA. More than 800 volunteers have been engaged with these teams on various projects, including removal of more than 2 million pounds of trash from blighted areas, emergency preparedness education for more than 900 residents, and participation in the national day of service on 9/11.

Managing Financial Challenges

Operating in a financially sustainable manner is essential if the City is to achieve its Mission of assuring that residents, businesses, students and visitors receive municipal services in a customer friendly and financially responsible manner. While the City continues to address an accumulated General Fund deficit, significant legacy costs, and a continuing structural deficit, progress continues to be made:

- The General Fund deficit continues to be reduced, and the City's financial position is stabilized at least for the near term. Preliminary projections show the deficit as of June 30, 2014 to be $9 million, a reduction from $12.9 million the previous year. The City's cash position is adequate.
- A plan to eliminate the General Fund deficit no later than FY19 and to accumulate an adequate level of financial reserves no later than FY24 has been approved by the State.
- Revenues and expenses for the first quarter of FY15, which ended September 30, are generally in line with expectations.
- The City is vigorously pursuing external funding and resources to implement important projects in areas such as blight elimination, housing, and park improvements. More than $3 million has been received so far this year from federal agencies, state entities and community foundations, and additional applications are pending.

However, the legal challenge to changes made to retiree health care as part of restoring financial solvency continues. The June 30 decision by the Federal Court to permit the City to modify health care for retirees should provide some financial relief to the City while the case is being litigated. Should the City not prevail, however, the $5 million additional cost added to the FY15 budget will be continued, and may result in Flint's return to financial solvency becoming exceedingly difficult if not impossible

Improving Internal Operations

Achieving the goals set forth in the Strategic Plan will require a city organization that is efficient and effective, and capable of operating in an environment of limited resources. Elected leaders, appointed officials, and employees must be highly trained and professional, and place high priority on excellent customer service. Its organizational structures and process must be efficient, modern, and focused on results. Much remains to be done, but progress is being made:

- The search for an experienced professional City Administrator is underway, and several charter amendments are being considered by the voters, which would further enhance the efficiency of the government.
- A badly needed update to the City's web site is underway; progress has been delayed from initial completion targets as the selected vendor was unable to perform necessary tasks.
- A comprehensive review of City Ordinances is underway, with revisions in business licensing and zoning ordinances nearly complete.
- The organizational structure of the City has been revised to assure that capacity exists to implement the Master Plan.
- Professional development opportunities have been defined and are being provided for city staff. Current focuses include supervision and use of technology.
- An in-depth evaluation of the structure of the police and fire departments is underway with the goal of identifying the most efficient and effective structure for the delivery of public safety services.
- Nearly all labor contracts and personnel policies have been revised to improved organizational efficiency while containing short and long term costs associated with employee compensation.
- Review of the City's capacity to provide capacity and leadership in economic development is underway, including the potential of collaborative efforts with other entities.
- Reorganization of current staff positions to enhance constituent services is underway.
- Internal reorganizations and policy/procedure updates within the Police and Fire Departments have been enacted.
- The City's Emergency Management Plan has been updated.
- Reorganizations within the Utilities Division are being implemented to increase capacity to respond to maintenance and other needs.
- The Transportation Division has increased its capacity and lowered its costs to perform right-of-way maintenance activities by assigning casual skilled labor to work with street Maintenance crews.
- Agreement executed with Genesee County Conservation District to compile an inventory of street trees in order to develop a sustainable plan for the care and preservation of the urban street tree forestry.
- Improved processes for grant administration and compliance monitoring are being implemented
- Planning is leading an effort to fully utilize GIS capabilities to serve all departments.

- Asset management tools for Transportation and Utilities, such as GPS units, web reporting, and a new work order system, are scheduled for installation in the coming months.
- A city wide program to recognize employees is being evaluated. Currently, recognition programs exist on a departmental basis, including the Police Department, and a new program is scheduled for introduction in Department of Public Works.
- The Community and Economic Development Division continues to enact corrective actions, refine and adopt policies and procedures and provide technical assistance to sub-recipients for federal and state funded programs that reduce the potential repayment from historical HUD OIG monitoring findings and current Field Office and MSHDA monitoring, reducing exposure to General Fund for repayment.

Transitioning Back to Home Rule

The City has been under the jurisdiction of the State this time since November, 2011, as its financial condition placed it on the brink of insolvency. Much progress has been made to address that, and the focus is now preparing for the transition back to Home Rule. Progress to date includes:

- A 7 Point Plan enacted by the Emergency Manager identifies specific objectives to be accomplished in order for the transition to proceed
- Target completion dates have been identified for many of the steps
- Specific objectives which have been accomplished include approval of a Deficit Elimination Plan, initiation of the search for a City Administrator, completion of a report by the Blue Ribbon Committee and the placement of 5 Charter Amendments plus the question of forming a Charter Review Commission on the November ballot.

Conclusion

Progress is being made in accordance with the expectations of the Strategic Plan and its specific objectives. Significant steps are being taken to improve its financial condition and to restructure the organization to improve efficiency and effectiveness. Steps are also being taken to prepare the City for return to traditional Home Rule governance.

Not surprisingly, because this is a first quarter report, not all objectives have been completed, and some have yet to start. In addition, many of the objectives require significant amounts of time and energy to achieve.

The positive progress outlined in this report must be read in the context of the current overall condition of the City of Flint. The level of services currently provided by the City is marginal as it struggles to regain financial solvency. Flint continues to be challenged by population loss, relatively low per capita income, aging infrastructure, and an insufficient revenue stream to support a desired level of services. It still has a significant General Fund deficit to be addressed, along with significant legacy costs. And it still faces the possibility of insolvency should the challenge to changes in retiree health care prevail.

CITY OF FLINT
STRATEGIC PLAN

2014 -2019

Setting a Sustainable Course for the City of Flint

Quarterly Report

July 1, 2014 - September 30, 2014

CITY OF FLINT STRATEGIC PLAN

2015 -2019

Setting a Sustainable Course for the City of Flint

The Vision for the City Government of Flint

A well managed, financially stable, and accountable government focused on creating and maintaining a vibrant and growing community which will attract and retain residents, businesses, students, and visitors and improve our quality of life

The Mission of the City Government

To assure that residents, businesses, students and visitors in the City of Flint receive municipal services in a customer friendly and financially responsible manner

The Goals

In order to realize our Mission, businesses, students and visitors can expect that:

- The City will provide a highly trained and professional staff of elected leaders, appointed officials and employees
- The City will provide for a safe, secure, and healthy environment in which to live, work, learn and play
- The City will provide access to dependable and affordable water, sewer, and waste collection
- The City will provide access to an adequate and well maintained transportation network serving motorized, non-motorized, and pedestrian needs
- The City will foster cooperation between business, non-profit, foundation partners and residents to create a climate that supports community and economic development

The City government will also:

- Seek partnerships with Local, State and Federal governmental partners and other private entities in order to maximize efficiencies and resources in meeting its Mission
- Provide municipal services consistent with the City's Master Plan and also work with residents, businesses, and others to foster development of the City and its infrastructure in a manner consistent with its Master Plan
- Encourage partnerships for recreation and access to open space across the City
- Enforce building and occupancy codes and to aggressively work with others to address blighted conditions
- Assure that City ordinances and regulatory activities are consistent with the Master plan and supportive of economic development
- Operate in an open and financially sustainable manner, including improving citizen access, focusing on measurable results, improving the City's financial position, and eliminating accumulated deficits

GOVERNANCE AND ADMINISTRATION

VISION Statement

The City of Flint's Governance will adapt to change and be a model of professionalism, transparency, and sustainability in order to provide effective government to each of our City's residents (as written in the Charter Preamble).

MISSION Statement

The Executive Management and Elected Leadership Directs and guides the City government in order operate in an open and financially responsible manner, including improving citizen access, focusing on measurable results, improving the City's financial position, and eliminating accumulated deficits within the context of the City of Flint Master Plan.

DIVISIONS	FUNCTIONS	GOALS	KEY OBJECTIVES FY15 & FY16	STATUS
EMERGENCY MANAGER		Promote vision, set priorities, and measure results	Formally assess City readiness for Transition Advisory Board and progress towards achievement of Seven-Point Plan	I
MAYOR & COUNCIL			Participate with MML and others on an ongoing basis in advocating for state reforms in municipal financing, including PP T and EVIP	C
	Management of City Government		Continue to participate with MML and partners with new legislative session in advocating for state reforms in municipal financing, including DPEB and Prop A	I
CITY ADMINISTRATOR	Chief Elected Official	Leadership: Provide direction, guidance and support to the leadership in the Departments of Public Safety, Planning & Development, Public Works, and Finance & Administration in order for the achievement of their goals and objectives	Reduce deficit by no less than $1.8 million by end of FY15, and each year thereafter in accord with City Deficit Elimination Plan; and continuing to accumulate an appropriate level of reserves	I
	Legislative Body of the City		Begin search for City Administrator	C
MAYOR			Formally assess dept head's progress on attaining objectives and then semi-annually thereafter	I
		Partnerships: Seek partnerships with local, state and federal governmental partners and other private entities in order to maximize efficiencies and resources in meeting the City's mission.	Conduct organizational review of all departments completing Public Safety in FY15 and Public Works in FY16	I
CITY COUNCIL			Resolve retiree healthcare lawsuit by December 31, 2015	I
			Conduct formal quarterly budget and strategic plan review with Council	I
HUMAN RELATIONS		Training: Prioritize attracting and retaining a highly trained and professional staff of elected leaders, appointed officials and employees by offering training opportunities, encouraging best practices, measuring performance and providing evaluations.	Complete assessment of Hurley's future as a community hospital	I
			Apply for 20 grants annually and receive $10 million in competitive/non-entitlement awards, beginning in FY15	I
CIVIL SERVICE/OMBUDSMAN			Secure ongoing financial and other support for public safety and blight, including city lock-up, for FY15-FY19	I
		Citizen Access: Manage municipal services in a customer friendly manner by providing public information, respond to constituent concerns	Develop proposals for 911 consolidation and courts consolidation	I
			Design citizen service system to process up to 500 requests each month	I
			All Council members and Mayor to attain MML Level Two certification	I
			Update the video capabilities of the City Council chambers to facilitate in-house recording, production and uploading of video	I
		Volunteer Service: Develop a culture of national service and community volunteering that demonstrates how the City and community priorities can be addressed through service solutions.	EM and Mayor to approve professional development training schedule for department heads	I
			EM and Mayor to approve professional development training schedule for employees, based on recommendations from department heads and Human Resources	I
			Updated web site to be implemented	I
		Climate for Growth: Foster cooperation among business, nonprofit, foundation partners and residents to create a climate that supports community and economic development	All appointments to City boards to be current	I
			Create 1,000 Volunteer opportunities annually	I
			Mayor/EM to implement policies and procedures for improving citizen access to City government	I
			Formally assess future city role in promoting economic and community development for consideration in FY16 budget	I

GOVERNANCE AND ADMINISTRATION

(cont)

DIVISIONS	FUNCTIONS	GOALS	KEY OBJECTIVES FY15 & FY16	STATUS
CITY ATTORNEY				
CITY ATTORNEY'S OFFICE	Provide legal advice to Mayor, Council, City Administrator and Department Heads on matters of City business	Update City ordinances	Revised Business Licensing ordinance to be in effect on July 1, 2014; revised Zoning ordinance by November, 2014; schedule of remaining ordinance revisions to be developed by July 1, 2015	I
	Prosecutes violations of City Ordinances		Develop strategy and timeline for renegotiating Cable Franchise agreement (agreement expires December, 2016)	I
	Responds to FOIA requests	Provide for most cost effective means of litigation	Handle 95% of litigation in-house	C
	Advises in labor relations and employment relations issues		Implement program for increasing amount of delinquent collections	I
	Represents City in lawsuits and other legal matters	Develop and implement administrative efficiencies	Define proposed process for handling paper and digital files, including time frame for implementation	I
			Define process and procedures for improving standardization of procedures for common legal matters, including time frame for implementation	I
		Improve staff skill sets and working environment	Program for improving skill sets of all staff to be scheduled/implemented	I
			Proposal for improving the appearance of City Attorney's Office to be presented to Facilities	C

CITY CLERK				
CITY CLERK'S OFFICE	Records proceeding of City Council and other bodies	Maintains all records of meetings of City Council and its committees. Publishes notices of meetings and records minutes.	Define ongoing training needs of City Council staff, including law changes affecting legislative bodies (such as public notices, open meetings) and the Legistar cataloging system and implement training	I
	Provides administrative and professional support to City Council and other bodies		Review and update City Council's constituent complaint referral process	I
RECORDS	Custodian of City Records	Manages custody and retention of city records, including minutes of official bodies.	Release a RFP by January 1, 2015 seeking comprehensive proposals for analyzing the state of all City current and historical records and providing recommendations for preserving, cataloging, and accessing records, utilizing a records retention schedule, with implementation to begin in FY16.	N
	Codifies city ordinances every ten years		Assure orderly transition of the Licensing Division to the Planning & Development Department	I
ELECTIONS	Oversight of elections	Conducts elections in accordance with state law.	Continue ongoing training calendar for Election Inspectors and City staff involved with elections.	I
		Maintains current and historical voter registration lists and related documents.	Secure State grant for polling accessibility study to meet ADA requirements and continue to seek public and non-profit grants for election related activities.	I

POLICE DEPARTMENT

VISION Statement

The Flint Police Department will be the anchor resource in a collaborative effort with the community, businesses and visitors to the City of Flint. We will provide model law enforcement services with an emphasis on innovation and technology.

MISSION Statement

The City of Flint Police Department is committed to protecting and serving all the people of our community with respect, fairness, and compassion.
Acting in partnership with our community to protect life and property, we strive to prevent crime and preserve peace, order and safety.
We will seek just solutions with honesty and integrity.
We encourage, need, and expect community involvement to work toward a mutual goal of enhancing the quality of life within our city.

DIVISIONS	FUNCTIONS	GOALS	KEY OBJECTIVES FY15 & FY16	STATUS
POLICE				
ADMINISTRATION	Management & Planning	Utilize tangible departmental resources in an efficient and effective manner	Recommend vendor for Record Management System by October 1, 2014, and propose funding and implementation strategy for inclusion in FY16 budget	C
		Utilize tangible departmental resources in an efficient and effective manner	Establish criteria that identifies each supervisor's responsibilities in the supervision of their respective subordinates	C
		Institute fair and reliable performance accountability at all levels within the Flint Police Department	Review administrative responsibilities	C
		Utilize tangible departmental resources in an efficient and effective manner	Revitalize the Flint Police Department's Chaplain Corps	I
	Community Policing	Implement a comprehensive impactful community involvement/engagement strategy	Launch FPD website	C
		Implement a comprehensive impactful community involvement/engagement strategy	Acquire and implement an online Crime Mapping capability that is accessible to community members	C
		Implement a comprehensive impactful community involvement/engagement strategy	Develop, train, and implement a "Citizen's Radio Patrol" utilizing Blue Badge Volunteers in their respective neighborhoods	I
INVESTIGATIONS	Investigation of Crimes	Utilize tangible departmental resources in an efficient and effective manner	Evaluate call management strategies currently in place	C
		Utilize tangible departmental resources in an efficient and effective manner	Increase use of IB techs at crime scenes, develop latent prints and compare to files to ID perpetrators by June 30, 2015	N
		Utilize tangible departmental resources in an efficient and effective manner	Develop an informational document from the Detective Bureau to assist in identifying crime patterns	C
LOCKUP	Oversight of lock-up facility	Utilize tangible departmental resources in an efficient and effective manner	Move to have GCSD handle entire booking process eliminate IB techs from process	N
PATROL	Deployment of officers on patrol	Effective and efficient deployment of personnel based on calls for service and crime data to include (a) place based, (b) time based, and (c) offender based observations.	Reduce response time to calls for service by 8%	I

POLICE DEPARTMENT

(continued)

DIVISIONS	FUNCTIONS	GOALS	KEY OBJECTIVES FY15 & FY16	STATUS
RECORDS/PROPERTY MANAGEMENT		Utilize tangible departmental resources in an efficient and effective manner	Develop a data driven strategy that can be utilized by Patrol Lieutenants through recurring reports	C
	Custody of police records and confiscated properties	Maintain and utilize effective and efficient call management strategies	Examine other alternatives as it relates to calls for service or criminal complaints	C
		Move to electronic property management	Complete refresh of property room	C
	IB section/ Property	Apply updated retention policy	Eliminate all unnecessary historical paper records in the Police Department	C
		Provide a training and qualification venue for FPD and explore the possibility of revenue generation if we rent out to other LE agencies in the area	Evaluate options and recommend location for new shooting range	N
	Department Management	To use all department empirical data effectively, and develop a department-wide goal of strategic thinking. Operationalize responses in functions and responsibilities of each level within the department to achieve the following:	A 20% reduction in Violent Part 1 crime	I
			Increase Community Policing efforts, measured by the MSU, proactive time study with an increase of 7-10%	I
Administration	Department Management	Increase community volunteers Blue Badge Program	Use Blue Badge as the portal to all volunteer efforts, including 1). Citizen Radio Patrol, 2). Chaplain Corps, 3). Service Center/Mini Station workers with a goal of 30% increase	N
Administration	Department Management	Increase use of Neighborhood Service Officer Program	Identify funding source to expand the NSO program in size and duties, specifically license compliance for problem businesses and scrap and secondhand merchants	C
Chief's Office	School Liaison	Increase and deploy School Resource Officer	Per the COPS grant Hire 6 Officers and deploy in the schools with the emphasis on the school and the community therein, focus on safe routes and crimestoppers school program	I
Chief's Office	Department Management	Collaboration with Federal, State, and LE agencies that will result in continued crime reduction	1). Continue Partnership with FBI, ATF and USMS. 2). Partner with MSP, FFD, FANG on Arson squad. 3). Partner GCSD on Auto Theft Team (GAIN). Develop Area Crime Team with MSP and GCSO.	C
			Acquire and implement an online Crime Mapping capability that is accessible to community members.	C
			Submit all requested materials from ICMA	C

VISION STATEMENT

The City of Flint 911 Department will be a fully functional Next Gen 911 system, accessible 24/7 from any device.

MISSION Statement

The City of Flint 911 Department is committed to serving our citizens, businesses and visitors with professional emergency services. We will continuously strive to improve our services in the most effective and efficient manner possible.

DIVISIONS	FUNCTIONS	GOALS	KEY OBJECTIVES FY15 & FY16	STATUS
911			Reduce use of 911 for non-emergency calls by 25%	I
TELEPHONE ANSWERING & DISPATCH	Receives call and dispatches resources	Provide the best possible emergency telephone answering and dispatch purpose with available resources	Develop plan for Next Gen 911 technology, including telephone upgrade and console upgrade	N
	Maintains records and consoles	Provide prompt, courteous, and efficient customer service	Improve Response to incoming 911 and 7-digit calls by 10% and improve coordination with EMS dispatch	I
RECORDS MANAGEMENT	Management of 911 Center	Improve community group relationships through community outreach	Automate billing for structure fires	N
			Develop plan for Consolidation with Genesee County Consortium	I
ADMINISTRATION			Work with Human Resources to create a new employment roster	N
			Working with Fire Department, create program and process for utilizing Fire Fighters on light duty at 911	C
			Complete state required training for all employees	I
			Complete Tower construction	I
			Eliminate Provisional Appointments/ fill vacancies permanently	N
			Strengthen relations with community groups by participating in 24 meetings each year	I
			Implement Quality Assurance program	C

FIRE DEPARTMENT

VISION Statement

A community educated on all matters related to fire safety and fire protection resulting in minimal damage and injury from fire incidents.

MISSION Statement

Utilizing available resources, the Flint Fire Department will respond quickly and effectively to fire calls, and will lead efforts to educate the community on all matters relating to fire safety and protection.

DIVISIONS	FUNCTIONS	GOALS	KEY OBJECTIVES FY15 & FY16	STATUS
FIRE	Department Management; coordination of emergency management activities within city	Provide the highest quality fire response/fire protection possible	Maintain average fire response time under 9 minutes in FY2015 and develop plan to reduce response time in FY16 to less than 6 minutes	I
ADMINISTRATION & EMERGENCY MANAGEMENT			Turnaround time for Fire Inspections to be 5 days or less	C
FIRE SUPPRESSION	Deployment of Fire Fighters to emergencies		Implement new organizational structure based on 75 full-time positions	C
FIRE INSPECTION & ARSON INVESTIGATION	Investigation of suspicious fires; conduct of commercial building inspections	Engage children, students, and senior citizens in fire safety awareness and preparedness.	100% Flint School children contacted and provided with fire safety and prevention program	N
			100% of Senior Centers provided with fire safety and prevention program	N
			100% of City Block Clubs provided fire safety and prevention program	N
COMMUNITY EDUCATION	Education of residents and businesses in fire prevention		At least 4 times per year, the Fire Department will provide the community with information regarding fire safety and prevention	C
		Lead City wide emergency preparedness and response	Evaluate and define role of the Fire Department in Emergency Management, with report provided to EM	C
			Reduce energy in Fire Departments by 20%	I
			Continue progressive training once per week	I
			Continued training for Suppression Personnel as technology develops for today's high-tech environment	I
			Implement physical fitness program	I
			"Knock and Talk" Fire Suppression Crews and Prevention Staff to distribute Arson Reward literature to 100% of residents	I
			Educate juvenile firesetters by providing one-on-one discussion with 10 juveniles	I

68th DISTRICT COURT

VISION Statement

The 68th Judicial District Court will be a leader among Michigan Courts in the provision of quality service, equal access to a fair and effective system of justice, and protection of the public's safety.

MISSION Statement

The 68th Judicial District Court will provide timely, fair, and impartial justice in all matters properly presented to the Court.

DIVISIONS	FUNCTIONS	GOALS	KEY OBJECTIVES FY15 & FY16	STATUS
DISTRICT COURT				
ADMINISTRATION	Overall Court Management	Provides the most efficient processing possible within the net current appropriation from the City	To comply with all Trial Court Performance Standards Annually, as dictated by the State Court Administrative Office	C
JUDICIAL PROCESSING	Courtroom activities		Improve Court collections-Annual increases by way of Arrinesty and Collections Agency, comparing results at the end of each fiscal year to the previous year	I
PROBATION	Provides oversight of probationers		Re-establish Probation Department with (1) Probation Officer	N

PUBLIC WORKS

VISION Statement

The vision of the Public Works Department is to be a well managed and well trained workforce that utilizes all available resources, technology, and collaborative means to maintain the City's above and underground infrastructure and facilities.

MISSION Statement

The Public Works Department is committed to the development of qualified managers and workers with consistent ongoing training, data driven decisions, and the creation of new job performance measurables.

The DPW will aggressively engage in strategic local and state level partnerships while continuously implementing new and improved technologies, procedures, and policies.

DIVISIONS	FUNCTIONS	GOALS	KEY OBJECTIVES FY15 & FY16	STATUS
UTILITIES	Water Treatment			
WATER TREATMENT PLANT	Water Distribution	Provide dependable and affordable water and sewer service to City residents and businesses.	Complete the electrical upgrades on Cedar Street Pumping Facility	C
WATER POLLUTION CONTROL	Distribution System Maintenance		Complete the engineering design work for the Hamilton Dam upgrades	I
WATER SERVICE CENTER	Sanitary Sewer Operation & Maintenance		Complete the rehabilitation of the Torrey Road Booster Station	I
	Storm Water Maintenance		Complete and implement a comprehensive pay scale evaluation for all WTP employees	C
	Dam Maintenance		Complete phase II (of III) of the WTP upgrade in preparation of transition to KWA	I
	Water Turn On's/Off's	Routine preventative maintenance program - A program that includes written procedures, identification methods, scheduling, and measurable tracking.	Create GIS maps of utility assets (including base-layer)	N
	Cut & Plugs		Implement tracking program for main breaks and sink holes with monthly reporting	I
	Wastewater Treatment		Develop and implement a written and sustainable "water loss" program. Program is to target the identification of a "baseline" loss and create means to maintain a loss percentage of under 16%.	I
	Industrial Pretreatment Compliance		Replace 3,000 residential meters	I
			Develop and implement a written root control matrix to reduce infiltration into the sanitary sewer systems	I
			Develop a written pipe replacement matrix that uses multiple criteria to identify the priority pipes to replaced annually	I
		Long term Utilities planning - Continued implementation of objectives that increase the efficiency and sustainability of the Utility department, including the use of Blue/Green Infrastructure projects, right sizing neighborhood infrastructure, and shared services.	Identify a consultant to write the scope for a comprehensive energy audit of all Utility facilities and send RFP	I
			Develop list of shared service opportunities with Genesee County Drain Commissioner and setup a meeting schedule for talks	I
			Complete the de-commissioning of the incinerator and construction of a load out facility at the Wastewater Treatment Plant	I
			Complete the upgrade plan of turning methane gas from the digester into energy	I
		Increase community engagement, community input, and community awareness with Utility processes and procedures.	Complete the development and use of web site access for residents to report main breaks	I
			Complete Cut & Plug list for hardest hit demolitions	C
			Implement defined response time policy for WSC	N
			Develop capacity to effectuate 100% of non-pay water shut-off notices	C

PUBLIC WORKS
(continued)

DIVISIONS	FUNCTIONS	GOALS	KEY OBJECTIVES FY15 & FY16	STATUS
TRANSPORTATION	Maintenance and repair of sidewalks	Implement processes, procedures and activities that enable the City to efficiently maintain and preserve a multi-modal transportation network that meets the needs of all motorists, pedestrians, and bicyclists.	Complete a sidewalk inventory that identifies the location and surface condition rating of all sidewalks within the City	N
STREET MAINTENANCE	Enforcement of Right-of-Way Ordinances		Implement a 50/50 Sidewalk Repair Program targeting enforcement of the Sidewalk Ordinance and repair of 500 sidewalk squares and repair of 1,000 squares	N
	Maintenance of City owned streets including paving, plowing and sweeping		Perform preventive maintenance activities on 15 miles of streets and pave 4.5 miles of streets in addition to preventive maintenance on another 15 miles of streets	I
	Maintenance of City street trees		Complete an inventory of city street trees	I
			Develop a Tree Maintenance plan that identifies the location of street trees, condition, risk factors, and schedule of planned maintenance activities over a six-year cycle	I
			Initiate a web-based application that will allow the public to electronically report pothole, street, street tree, and sidewalk complaints	C
CAPITAL PROJECTS ADMINISTRATION	Capital Improvement Projects (Planning and Management)		Develop and implement a written Public Participation Plan that details how the public will be engaged in the transportation planning process	N
			Invest $20,000 in non-motorized facilities by providing funding to secure preliminary engineering services for the Genesee Valley non-motorized trail project	C
			Develop a reconfiguration plan for Harrison Street and South Saginaw Street that includes facilities for multi-modal travel and traffic calming devices	I
			Identify a funding source to develop engineering plans to reopen Leith Street	N
TRAFFIC CONTROL	Maintenance of signs, traffic signals and pavement markings	Install, maintain, repair, and utilize traffic control devices to facilitate the efficient movement of vehicles and people and to improve traffic flow, and communicate same to the public	Perform an audit of all signalized intersections to identify unwarranted traffic signals and implement a preventive maintenance plan for traffic signals	I
	Barricading Activities/Special Events		Perform regulatory and warning sign upgrades in 3 areas of the City in FY15 and an additional 3 areas each year thereafter	I
SANITATION (Contract Management)	collection, composting, and recycling	Assure the reliable and efficient collection and disposal of residential waste, compost, and recyclable materials.	Develop and execute a Compost Plan that will result in the processing and removal of compostable materials from the Chevy in the Hole site	C
			Issue Waste Collection Services RFP for new contract period	N
			Increase the City's recycling participation to 10% in FY15 and 12% in FY16	I
			Develop a recommendation on the feasibility of implementing a 96-gallon cart recycling program	I
			Monitor Waste Collection Services contractor's collection and disposal activities on a monthly basis to ensure compliance with contract provisions	I
			Formally evaluate performance of Waste Collection Services contractor	N
			Work with foundations, Police, and City partners to develop a new special event management protocol	C
			Provide timely instruction to public with respect to leaf collection process	C

PUBLIC WORKS
(continued)

DIVISIONS	FUNCTIONS	GOALS	KEY OBJECTIVES FY15 & FY16	STATUS
FACILITY MAINTENANCE	Maintenance of city facilities and grounds	Right size city facilities by consolidating uses and recommending disposal of unneeded facilities	Complete disposition of Police Academy, Fire Station, FAEC, McKinley, and Park Supply buildings	I
	Planning for optimal facility usage		Elimination of unneeded storage and relocation of employees into a permanent workspace	I
	Facilitating use of city facilities	Plan for needed facility improvements that assures a clean, safe, and sanitary workplace environment for employees	Implement new staffing plan for Facility Maintenance	C
			Increase capacity for maintenance services through a wider network of support vendors	C
			Establish a contract management performance review that has a semi-annual written report	C
			Develop a comprehensive routine and preventive maintenance plan that documents areas of concern, structures the way we effectuate repairs, and supports the CIP	I
			Develop 5-year capital improvement plan for City facilities and update annually thereafter	C
		Adopt an energy efficiency and conservation policy that builds toward being carbon neutral	Replace exterior City Hall lights with LED's and motion sensors	I
			Identify a vendor and a funding mechanism to provide an energy evaluation of the City Hall campus, producing a 2015 energy "baseline" in which to measure progress.	I
			Modify 5-year Facility capital improvement plan annually prior to the budget presentation to Council	I
			Complete the transition of senior center operations to other entities contracting directly with the County for operational support	C
CHEVY COMMONS			Infrastructure remediation and Storm Sewer discharge compliance	I
	Future usable green space		Development and Construction of Phase 1 Green cap	I
			Implementation of USDA Phytoremediation $400k grant	I
			Events Management	C
			Implement compost operations DEQ Consent Decree	I

PLANNING AND DEVELOPMENT

VISION Statement

The Planning and Development Department will partner with residents, businesses, and visitors to implement the Master Plan and help transform Flint into a safe, vibrant, sustainable, and healthy city.

MISSION Statement

The Planning and Development Department is committed to ensuring the public safety, health, and well-being of Flint's residents, businesses and visitors through targeted investment and rational, well-designed and physically integrated land use and development that advances economic prosperity, eliminates blight and stabilizes neighborhoods, protects the environment, and promotes a better quality of life in the City.

DIVISIONS	FUNCTIONS	GOALS	KEY OBJECTIVES FY15 & FY16	STATUS
CASE MANAGEMENT	Current Planning	Provide streamlined, business friendly plan review, permitting, property disposition, and business licensing in compliance with state and local laws in order to protect the health and welfare of the community.	Complete all plan reviews within 3 weeks and inspections within 72 hours	I
	Permitting		Implement a comprehensive form-based zoning code that streamlines the approval process for projects that adhere to the regulations	I
	Service Counter/Business Support		Process all planning applications within the prescribed time limits and minimize the number of discretionary cases to be reviewed quarterly thereafter	I
	Major Cases		Designate designated case manager to guide major projects through the City's determination process	C
			Complete acquisition of the Grand Traverse Greenway Trail	I
			Coordinate with Redevelopment Ready Communities to reorganize department procedures to provide a seamless case management process for new and existing businesses to help facilitate redevelopment	I
	Business Licensing		Implement P & D management of business licensing ordinance	I
			Achieve 25% licensing compliance in FY16	N
			Achieve 50% licensing compliance in FY17	N
			Achieve 90% licensing compliance in FY18	N
BLIGHT ELIMINATION & NEIGHBORHOOD STABILIZATION	Code Enforcement	Eradicate blight in the City by 2020 and work with residents to stabilize Flint's neighborhoods.	Develop and implement a comprehensive code enforcement program	I
	Rental Registration		Implement an updated rental registration ordinance	N
			Achieve 25% rental registration compliance FY16	N
			Achieve 50% rental registration compliance FY17	N
			Achieve 90% rental registration compliance FY18	N
	Business License Enforcement		Secure funding and demolition assistance to demolish 1,200 homes and 80 commercial buildings each year for 5 years with progress measured annually	I
	Blight Elimination & Street Lighting Coordination		Secure formal commitment of at least 60 neighborhood groups and community organizations to maintain 2,000 vacant parcels	I

PLANNING AND DEVELOPMENT

(continued)

DIVISIONS	FUNCTIONS	GOALS	KEY OBJECTIVES FY15 & FY16	STATUS
COMMUNITY DEVELOPMENT & ECONOMIC DEVELOPMENT	Neighborhood Planning	Create safe, healthy, and desirable neighborhoods near quality community services.	Comply with all HUD regulations and time submission requirements for all reports	I
	Small Neighborhood Projects		Implement a grants management system utilizing BS&A to better track performance	I
	Fair Housing		Provide ongoing technical assistance and training to all sub-recipients and sub-contractors to insure full compliance and timely processing of payments	I
	Historic Preservation		Process all requests for economic development support (tax abatements, etc.) within prescribed time frames, to be monitored quarterly	I
	Program Management (CDBG, HOME)		Complete Smith Village development	C
			Sell all Smith Village and NSP homes	I
			Define the ongoing role for city involvement in economic development and present budgetary request for consideration in FY16 budget	I
	Economic Development	Promote a growing and diverse economy that spurs innovation and small business development and prepares the workforce for today's jobs and those of the future.	Implement a formally defined CDBG allocation process that is transparent and advances the goals of the Master Plan	C
	Major Development Projects		Complete a formal written comprehensive housing investment strategy to include a housing program that provides rehabilitation and home buyer incentives to encourage residents to move to or remain in Flint	I
	Workforce Development		Secure other sources of grant funding for entire department to increase available revenue by 10% per year, beginning with FY15	I
	Small Business Development		Respond in a timely manner to requests for assistance in expanding existing or attracting new businesses, with particular focus on small businesses and brownfields	I
			Implement the EDC Deficit Elimination Plan	C
	Oak Business Center & EDC		Attract new businesses to Oak Business Center to reduce vacancy rate to less than 15%	I
			Secure a monitoring and compliance contractor to allow staff to focus on proactive community development	I
LONG RANGE PLANNING	Master Plan Implementation	Guide the update and implementation of the Master Plan and provide data-driven, technical expertise to city officials and the public on land use and development matters.	Develop a commercial investment framework based on the Master Plan	N
	Performance Management		In coordination with local, regional, and state economic development agencies, develop a formal long term strategy and role for the City government to help expand existing or attract new businesses, with particular focus on small businesses and brownfields; funding request to be presented for potential funding in FY16	I
	Transportation Planning		Create 8 subarea plans	I
	Public Safety Planning		Develop the City's first combined Capital Improvement Plan	I
	GIS Services		Hold annual engagement to discuss progress of Master Plan and solicit additional feedback on action plan	N
	Infrastructure Planning		Establish short-term (1-3 years) action plans for each chapter of the Master Plan	C
	Sustainability Planning		Develop between 10-15 neighborhood plans covering every residential area by 2020, at the rate of 20% per year	I
	Zone Changes		Develop a citywide sustainability plan	N
	Plan Amendments		Maintain on an ongoing basis updated demographic and housing data easily available to internal and external customers	I
			Develop a proposal for providing citywide Geographic Information Services to internal and external customers and implement plan	I
			Coordinate the implementation of at least 1 strategy in each chapter of the Master Plan every year, with progress measured annually	I
			Submit proposal to the EPA for a Brownfield Area wide Planning Grant or technical assistance grant to create a brownfield development for the area around the Chevy Commons	C
			Present blight elimination framework to the Planning Commission for adoption as part of the Master Plan implementation	I
			Begin update of the Master Plan	N
			Complete a formal written blight elimination framework for neighborhoods	C

			Implement structure within P&D which has responsibility for developing a plan for improving street lighting within the City for managing the lighting special assessment and payment of bills	

PLANNING AND DEVELOPMENT

(continued)

DIVISIONS	FUNCTIONS	GOALS	KEY OBJECTIVES FY15 & FY16	STATUS
PARKS & OPEN SPACE	Parks Maintenance	Establish a new park management framework and secure resources necessary to maintain the City's parks and open spaces.	Refine the City's parks classification system and develop service standards that align with the MDNR and the needs and desires of the Flint community	I
			Assure that all city parks are mowed at least twice per month based upon individual plan for land management; contractor performance to be reviewed on a quarterly basis	C
	Parks Planning	Improve the ecological health of the City's parks and open spaces through responsible planning and development.	Complete a naturalization demonstration in Max Brandon Park and then 3 other parks	I
			Complete improvements to Riverbank Park and McKinley Park as specified in the MDNR grant	I
			Complete improvements to McKinley Park as specified in the MDNR grant	I
			Update the Parks and Recreation Master Plan with additional focus on park equity and enhancing recreational use of the Flint River and adjacent parks and open spaces	N
	Parks Partnership	Provide parks, open space, and recreation infrastructure that both meets the needs of the community and is maintainable by the City and its community partners.	Establish at least 3 "Adopt A Park" agreements every year; complete the establishment of the "Friends of Berston" group	I
			Work with the County to establish a joint maintenance agreement for at least one of the City's larger parks	C
	Parks Programming	Engage the Flint Community to support the programming and use of park and recreation facilities.	Develop a management plan for the City's 4 golf courses	I
			Develop the plan to adjust the CANUSA Games housing and field of play locations.	N
	Open Space		Submit at least one grant proposal each year for MDNR funding	C
	Trail Development		Complete construction of the Genesee Valley Trail	I

FINANCE AND ADMINISTRATION

VISION Statement

A robust division capable of meeting the external and internal needs of the City of Flint in the areas of finance, treasury, assessments, human resources, information technology, and fleet.

MISSION Statement

To manage the financial and administration division of the City of Flint through promoting fiscal responsibility and industry best practices in order to respond to the needs of the City of Flint with efficiency and timeliness.

DIVISIONS	FUNCTIONS	GOALS	KEY OBJECTIVES FY15 & FY16	STATUS
FINANCE				
ACCOUNTING	Payroll Production & Reporting	Provides for a financially secure organization with sound business practices providing for the purchase of goods and services and financial reporting. Provides professional and technical advice to departments regarding financial and purchasing needs and on grant administration processes.	Reduce the General Fund deficit by $1.8 million in FY15	C
			Reduce the General Fund deficit by $1.8 million in FY16	N
	Vendor Management and Payment		Convert to new fixed asset accounting and develop fixed asset policy	I
			Review rates and master fee schedule to ensure they are appropriately set	N
AUDITING	Monitoring Financial Performance		Implement Finance Department reorganization	I
	Preparation of Financial Reports		Audit completed and filed with state	I
BUDGETING	Monitoring Grant Performance		Schedule and conduct 4 city wide finance and accounting training sessions	I
	Accounting for Revenues and Expenses		Establish and implement internship program for Finance	I
RISK MANAGEMENT	Development of Long Term Financial Projections, Deficit Elimination Plans and Strategies for Financial Solvency		Establish a paperless process for procuring goods and services	I
			Prepare a RFP for copier services in FY15 in time to allow issuance of request before contract expires in FY16	N
PURCHASING	Administration of Property and Liability Insurances		Provide recommendations for updating procurement policies to be used during and after transition and to increase efficiencies	I
	Selection and Monitoring of Benefit Program vendors		Increase the usage of P-cards to boost the City's annual rebate by 15%, progress to be measured regularly	I
GRANT ADMIN			Establish management expectations of turn-around time on vendor payments, purchasing requests, position filling requests, and other areas, monitor performance, beginning with FY15 first quarter results to be evaluated and monitored monthly.	I
			Establish formal process for reviewing, processing, and making timely decisions for applications on tax abatements.	I
			Adopt stabilization ordinance and fund balance policy	I
			Establish expectations of turn-around time on purchasing requests and monitor performance, beginning with FY15 and evaluated quarterly.	I
TREASURY				
CUSTOMER SERVICE		Provides for a customer friendly accountable entity managing receipts and collections. Monitors collections of property taxes, income taxes, water and sewer, and other receivables to assess budgetary compliance.	Identify additional $500,000.00 to $1,000,000.00 in unreported income tax, utilizing the 2011 State income tax data.	N
			Increase the collection of delinquent taxes by 15-20% through continued efforts to collect delinquent income tax and personal property taxes and by new efforts to collect delinquent Miscellaneous Receivables and Water bills	N
DELINQUENT COLLECTIONS			Reorganize Customer Service to assure that after that time, that all utility bills are mailed two weeks prior to the due date, that checks are processed within 10 days from the postmark date, and that customer wait time in the office and on the phone are reduced by 25%.	I
			Replace the current vendor for processing electronic payments with Point and Pay in order to allow the City to accept water, property tax, miscellaneous receivables, special assessment and permit payments electronically	C
			Install a kiosk in the City Hall lobby in order to allow the City to accept water, property tax, miscellaneous receivables, special assessment and permit payments electronically	I
			Create description of City's efforts to manage delinquent water accounts while obtaining the City's financial goals and assisting those who are facing financial hardships	N
			Implement electronic income tax withholding	I
			Update City efforts to assist those unable to pay for utilities	N
			Re-examine efforts to assist individuals to pay utility bills	N

			Establish and implement an ongoing schedule of Customer Service", "Team Work" and "How to deal with difficult customer" training for all Treasury staff	

FINANCE AND ADMINISTRATION

(continued)

DIVISIONS	FUNCTIONS	GOALS	KEY OBJECTIVES FY15 & FY16	STATUS
ASSESSING				
ASSESSORS OFFICE	Assessing of Properties	Assures the assessment of properties within the City in a professional and equitable manner in conformance with state law and professional practices; addresses appeals of values to Board of Review; represents City at state level appeals	Determine schedule of staff training in Assessing net as necessary and for annual compliance with state requirements during course of FY15, and annually thereafter.	C
	Administration of Valuation Appeals		Conduct comprehensive site inspections of residential and commercial tracts between April and November of each year in sufficient number annually to canvas 12 tracts annually	I
	Processing of Poverty exemption requests		Secure contract to achieve the conversion of remaining hard copy records and drawings to digital format utilizing APEX and/or digital scanning, with financial plan submitted for FY16 budget.	I
	Provision of property and tax information to businesses and residents		Provide for the timely process of MTT appeals, and split/combination applications. 2012 and 2013 appeals will be completed by end of FY15 and appeals filed in 2014 will be resolved by end of FY16. The processing of splits and combination requests is required to be completed end of each year to be incorporated in the following year's assessment roll.	I
			Working with Facilities, finalize plan for relocating Assessing from its temporary site	I
	Maintenance of Property descriptions and tax rolls		Analyze options for lessening the workload impact of processing poverty exemption applications	C
			Participate with Planning and Development, IT, and others to develop the ongoing process for establishing and maintaining of the parcel layer for City GIS, and for providing GIS services to internal and external customers.	C

HUMAN RESOURCES			Utilize a master position list for confirming the need to recruit, promote or reduce employees	C
EMPLOYMENT	Recruitment and Selection	Recruit and oversee hiring of qualified employees in compliance with laws and ordinances	Update personnel rules and procedures, including ordinances	I
	Testing		Update testing protocols for recruitment/selection	I
	Contract Negotiations	Recommend changes in personnel polices and labor contracts	Complete and implement 1600 contract	C
			Complete and implement FPDA contract	I
			Complete and implement updated 1799 contract	I
			Complete and implement updated IAFF contract	N
			Complete and implement updated Capt/Lt contract	I
			Complete and implement Sergeants contract	I
	Employment law allegations		Inform department heads and supervisors of contract changes prior to implementation	C
LABOR RELATIONS	Grievances and Arbitrations	Train and assist departments in managing employees and resolving disputes	Answer 100% of all new grievances within required time frames, measured with quarterly reports	I
	Benefit administration	Enroll employees in payroll and benefit systems.	Complete and implement changes to Exempt and Appointed benefit programs	I
ENROLLMENT	Payroll enrollment and changes		Develop and implement ongoing training curriculum and schedule in conjunction with Department Heads	C
	FMLA oversight	Assure that city FMLA and worker safety policies and practices are in accord with law and properly administered	Implement new FMLA process	I
	Worker's Compensation Administration		Implement new EAP program	C
	MIOSHA/OSHA Administration		Redesign Occupational Health and Safety Program for the City	N
WORKERS SAFETY	Employee Clinic		Administrative policies/procedures to be updated	I

FINANCE AND ADMINISTRATION

(continued)

DIVISIONS	FUNCTIONS	GOALS	KEY OBJECTIVES FY15 & FY16	STATUS
FLEET ADMINISTRATION SERVICE WRITING AND PARTS MANAGEMENT VEHICLE AND EQUIPMENT REPLACEMENT, ADDITION, DELETION VEHICLE AND EQUIPMENT REPAIR	Maintains fleet inventory	Complete and maintain a current fleet and equipment inventory	Monthly rental of Special Operations vehicles	I
			Evaluate and make recommendation of GPS tracking units for DPW AND Utilities vehicles	I
			Update the replacement schedule to reflect replaced, required, and disposed of vehicles and equipment, to be used in preparation of annual budget for annual budget preparation	N
			Jib Winch for Traffic bucket truck	I
			Purchase 10 Front Plows for DPW snow removal	I
			Purchase one-man Leaf Vac truck for Street Maintenance	I
			Evaluate use of farm equipment tractor rentals recommended by DPW for winter snow removal	I
			Dump trucks for Utilities/DPW snow removal	N
		Maintain vehicle/equipment replacement schedule	Add-on and auxiliary equipment for Enterprise Lease vehicles	N
			FY14 & FY15 Lease Vehicles and Equipment	I
			Complete 100% audit of City owned vehicles and equipment, including condition to be used in preparation of the annual budget	N
	Equips and repairs fleet	Complete 75% of work orders within 72 hours	Complete the Fleet Focus software upgrade, install a mechanic workstation and bar code labels in the Stock Room	I
			Complete a Stock Room audit and enter all parts into the Fleet Focus software program	I
		Maintain scheduled/actual preventative/maintenance ratio = 75%	Distribute to departments, PM and DOT schedule detailing responsibility of departments and drivers for daily inspections, compliance with DOT requirements, and maintenance responsibilities.	I
	Recommends specifications of vehicles and equipment to be purchased		Monitor department and driver compliance with PM and DOT schedules and responsibilities on a quarterly basis	N
		Sustain average vehicle availability rates above 70%	Complete the bid process for DOT and PM services for heavy equipment and passenger vehicles	I
			Complete the bid process for vendor repair services, including 24-hour emergency response	I
	Develops and maintains vehicle and equipment replacement schedule	By April 30, 2015, and annually thereafter, complete 100% audit of City owned vehicles and equipment, including condition, to be used in:	Complete evaluation and develop schedule annual departmental training needs and tool purchases	I
			Complete the bid process for alternate emergency fuel source	N
			Complete the sale and removal of the unused fuel tank at the Police Northside Precinct	C
		Implement fuel program to minimize fuel storage and cost	Determine if the fuel tank at Parks & Rec is still needed at this facility and take action accordingly.	N
			Complete the removal of underground storage tanks at Fire Station #3 and determine if the above ground storage tank at Parks & Rec can be utilized there.	I
			Recommend fueling station needs at current site	N
		Improve interdepartmental communications of seasonal needs and expectations	Meet with all departments to discern fall and winter program needs.	C
			Meet with all departments annually to discern spring program needs	N

FINANCE AND ADMINISTRATION

(continued)

DIVISIONS	FUNCTIONS	GOALS	KEY OBJECTIVES FY15 & FY16	STATUS
INFORMATION TECHNOLOGY:			Implement Governance Model	I
	Oversees the design, purchase, implementation, and operation of the City's technology infrastructure, provides professional and technical advice to departments in utilization of technology, identifies and provides technology related training	To ensure internal and external customers have appropriate and reliable technology which enables them to achieve their goals in an efficient manner.	Complete implementation of BS&A.net (BS&A implementation contract complete)	I
			Develop and schedule implementation of a telecommunications infrastructure upgrade	I
			Establish and implement a Technology Training Calendar for all employees	I
			Install 22 new fully functioning mobile data computers	I
			Maintain uptime for internet and intra net by 95% of the time, as measured by quarterly reports	C
			Reduce the number of shadow access systems by 40% (base number as of May 1, 2014)	I
			First issue resolution and same day resolution achieved for 70% of Help Desk tickets, as measured by quarterly reports	C
			Recommend vendor for Record Management System and propose funding and implementation strategy for inclusion in FY16 budget	I
			Complete a federally compliant IT Disaster Recovery and Security Plan	N
			Complete a Mobile Device Readiness Assessment	N
			Reduce telecommunication expenses by 30%	I
			Equip Mayor, Finance, South Bldg, Police and Fire Conference Rooms with access to technology	N
			Upgrade IT Training Room	I
			Develop plan to convert technology infrastructure to wireless	N
			Upgrade space housing IT servers etc.	N

CITY OF FLINT, MICHIGAN
Department of Finance

City Hall, Room #203
1101 South Saginaw Street
Flint, MI 48502
(810) 766-7268 / (810) 766-8675 (fax)

Dayne Walling
Mayor

Darnell Earley, ICMA-CM, MPA
Emergency Manager

Gerald Ambrose
Finance Director

DATE: October 10, 2014

TO: Darnell Earley, Emergency Manager
Dayne Walling, Mayor
Flint City Council

FROM: Jerry Ambrose, Finance Director
Antonio Brown, Deputy Finance Director

RE: City of Flint Quarterly Financial Report
July 1, 2014 – September 30, 2014

The City of Flint's Strategic Plan envisions a "well managed financially stable, and accountable government focused on creating and maintaining a vibrant and growing community which will attract and retain residents, businesses, students and visitors and improve our quality of life."

Operating in a financially sustainable manner is a key component to achieving that vision. As part of this, a biennial budget has been adopted for fiscal years 2015 and 2016, and a commitment has been made to a regular and ongoing review of revenues and expenses. To this end, a quarterly report on the status of the City's budget will be provided to the Finance Committee on an ongoing basis.

Attached is a comparison of the City's budgeted revenues and expenses to actual revenues and expenses as of September 30, 2014.

In summary, at the end of the 1st quarter, the financial outlook for the remaining FY15 appears to be on track. In total, revenues and expenditures are generally meeting expectations. The City continues to make timely pension contributions and healthcare premium payment for both active employees and retirees.

Some further observations on the current budget status:

- In the General Fund, actual revenues are just above 20% of budgeted revenues. At the time of the report, however, the City had not received its portion of State Shared Revenues, and when those revenues are received (approximately $2.4 million), they will be accrued back to the 1st quarter.

- General Fund expenditures are reported at 22% of the budgeted expenditures, in line with expectations. However, it has been discovered that $13,000 in communications expenses was inadvertently deleted from the District Court budget. It will be necessary to consider an adjustment to the District Court budget to address this shortfall.

- Also, we continue to monitor the personnel expenses in the Police and Fire budgets to determine the budgetary impact that reducing staffing levels through attrition rather than layoffs at the beginning of the year will have. It appears that attrition is moving staffing levels down to the budgeted levels, with Fire already at its reduced level of 75, and Police currently at 121, with a target of 115. By the end of the second quarter we anticipate that the reduced levels will be met by then and in addition, we will have the results of the ICMA organizational and staffing study. We will also be beginning to receive a portion of the $1 million allocated for police and fire expenditures in the state budget. We presently anticipate that these funds will be sufficient to offset any shortfall in the personnel line items in these budgets. With the second quarter report, we will provide any necessary budget amendments in these areas.

- Special Revenue Funds, Major and Local Street Funds are operating below budgeted revenues and expenditures. Major Streets, Fund 202, revenues are down due to timing in which State revenues of the Gas and Weight Tax allocations have not been received as of the date of the report. Budgets in the Grant Funds, Funds 274, 295, and 296 reflect timing differences as well. The revenues in these funds have not been received as of the date of the report. In addition, it will be necessary to create a budget for Fund 297 to reflect the final expenditure of a COPS Hiring Grant, with funds carried over into the FY15 budget year.

- Revenues in the Building Safety and Inspections Fund (Fund 542) are coming in higher than anticipated for the first quarter of the year. This was due largely to the new construction of the paint shop on the General Motor's property expansion.

- Revenues in the Water and Sewer funds are coming in at 19% and 16% respectively in comparison to the budgeted totals. At the same time, expenditures are coming in a 13% and 11% of the budgeted totals. It appears that the trend of reduced water billings are continuing, and efforts are underway to increase compliance and to identify areas of water loss from leaks as well as from theft. Actual expenditures currently do not include many of the capital improvement projects that are budgeted this fiscal year. The DPW and the Finance Department will continue to closely monitor the Utilities revenues and expenditures to keep them in line.

- The June 30, 2014 ruling by the Federal Court which modified its injunction to allow the City to implement certain changes to retiree health care benefits should provide some financial relief to the City budget, at least for the time during which the matter is being litigated. However, at this time it is not possible to project the amount of relief from the $5 million which was added to the budget for retiree health care as a result of the Courts initial decision prohibiting any change to retiree health care. This is because implementing the approved changes will not be effective until November 1 because of the time necessary to incorporate the changes into the current plans. With the second quarter report, we anticipate being able to project the anticipated costs in comparison to the budgeted amounts.

City of Flint
Revenue and Expenditure Report
For Year to Date ending September 30, 2014

GL NUMBER	2014-15 AMENDED BUDGET	YTD BALANCE 09/30/2014	% BDGT USED
Fund 101 - General Fund			
Revenues			
General government	45,232,924.00	9,182,371.13	20.76
Judicial	1,697,000.00	383,198.50	22.58
Police	3,792,257.55	627,168.15	16.54
Emergency dispatch	1,189,000.00	0.00	0.00
Fire	351,700.00	34,721.00	9.87
Building inspections	36,000.00	4,657.00	12.94
Transportation	0.00	482.00	100.00
Facilities and Maintenance	21,000.00	17,786.09	84.70
Transfers in	3,777,998.00	944,499.51	25.00
Deficit Reduction	(1,000,000.00)		0.00
TOTAL Revenues	55,097,879.55	11,194,883.38	20.32
Expenditures			
General government	28,187,133.14	5,381,889.95	19.09
Legislative	356,505.00	70,281.22	19.71
Judicial	4,099,999.48	1,451,818.49	35.41
Police	12,563,432.44	3,049,912.03	24.28
Emergency dispatch	2,604,021.00	598,041.26	22.97
Fire	6,177,803.16	1,471,430.53	23.82
Building inspections	395,276.70	66,974.87	16.94
Community development	292,007.15	46,491.27	15.92
Facilities and Maintenance	9,000.00	2,522.26	28.03
Transfers out	412,701.00	103,175.25	25.00
TOTAL Expenditures	55,097,879.07	12,242,537.13	22.22
Fund 101 - General Fund:			
TOTAL REVENUES	55,097,879.55	11,194,883.38	20.32
TOTAL EXPENDITURES	55,097,879.07	12,242,537.13	22.22
NET OF REVENUES & EXPENDITURES	0.48	(1,047,653.75)	

City of Flint
Revenue and Expenditure Report
For Year to Date ending September 30, 2014

GL NUMBER	2014-15 AMENDED BUDGET	YTD BALANCE 09/30/2014	% BDGT USED
Fund 202 - Major Street Fund			
Revenues			
General government	6,366,549.69	786,053.03	12.35
Transportation	657,072.15	42,462.70	6.46
TOTAL Revenues	7,023,621.84	828,515.73	11.80
Expenditures			
General government	1,619,530.00	404,882.49	25.00
Transportation	5,285,469.17	657,822.39	12.45
Debt services - interest	8,550.69	8,550.32	100.00
Debt services - principal	110,071.98	110,069.80	100.00
TOTAL Expenditures	7,023,621.84	1,181,325.00	16.82
Fund 202 - Major Street Fund:			
TOTAL REVENUES	7,023,621.84	828,515.73	11.80
TOTAL EXPENDITURES	7,023,621.84	1,181,325.00	16.82
NET OF REVENUES & EXPENDITURES	0.00	(352,809.27)	100.00
Fund 203 - Local Street Fund			
Revenues			
General government	1,877,827.00	181,468.92	9.66
Transportation	724,762.00	9,845.29	1.36
Unclassified	91,870.00	0.00	0.00
TOTAL Revenues	2,694,459.00	191,314.21	7.10
Expenditures			
General government	448,391.00	112,097.74	25.00
Transportation	2,246,067.39	342,527.45	15.25
TOTAL Expenditures	2,694,458.39	454,625.19	16.87
Fund 203 - Local Street Fund:			
TOTAL REVENUES	2,694,459.00	191,314.21	7.10
TOTAL EXPENDITURES	2,694,458.39	454,625.19	16.87
NET OF REVENUES & EXPENDITURES	0.61	(263,310.98)	

City of Flint
Revenue and Expenditure Report
For Year to Date ending September 30, 2014

GL NUMBER	2014-15 AMENDED BUDGET	YTD BALANCE 09/30/2014	% BDGT USED
Fund 205 - Public Safety			
Revenues			
General government	9,258,560.00	3,765,159.40	40.67
TOTAL Revenues	9,258,560.00	3,765,159.40	40.67
Expenditures			
General government	1,337,828.00	334,457.00	25.00
Police	2,690,340.00	276,200.86	10.27
Fire	5,230,392.00	888,285.16	16.98
TOTAL Expenditures	9,258,560.00	1,498,943.02	16.19
Fund 205 - Public Safety:			
TOTAL REVENUES	9,258,560.00	3,765,159.40	40.67
TOTAL EXPENDITURES	9,258,560.00	1,498,943.02	16.19
NET OF REVENUES & EXPENDITURES	0.00	2,266,216.38	100.00
Fund 207 - Police Fund			
Revenues			
General government	1,312,000.00	1,276,166.75	97.27
Police	93,180.00	0.00	0.00
TOTAL Revenues	1,405,180.00	1,276,166.75	90.82
Expenditures			
Police	1,378,103.87	290,299.25	21.07
TOTAL Expenditures	1,378,103.87	290,299.25	21.07
Fund 207 - Police Fund:			
TOTAL REVENUES	1,405,180.00	1,276,166.75	90.82
TOTAL EXPENDITURES	1,378,103.87	290,299.25	21.07
NET OF REVENUES & EXPENDITURES	27,076.13	985,867.50	3,641.09

City of Flint
Revenue and Expenditure Report
For Year to Date ending September 30, 2014

GL NUMBER	2014-15 AMENDED BUDGET	YTD BALANCE 09/30/2014	% BDGT USED
Fund 208 - Park/Recreation Fund			
Revenues			
General government	393,000.00	319,010.92	81.17
Facilities and Maintenance	4,000.00	1,190.00	29.75
Transfers in	99,140.00	24,785.01	25.00
TOTAL Revenues	496,140.00	344,985.93	69.53
Expenditures			
Facilities and Maintenance	496,140.00	88,949.02	17.93
TOTAL Expenditures	496,140.00	88,949.02	17.93
Fund 208 - Park/Recreation Fund:			
TOTAL REVENUES	496,140.00	344,985.93	69.53
TOTAL EXPENDITURES	496,140.00	88,949.02	17.93
NET OF REVENUES & EXPENDITURES	0.00	256,036.91	100.00
Fund 213 - Park & Recreation Senior Citizen Centers			
Revenues			
General government	6,000.00	0.00	0.00
Facilities and Maintenance	60,000.00	14,760.38	24.60
TOTAL Revenues	66,000.00	14,760.38	22.36
Expenditures			
Facilities and Maintenance	60,000.00	29,871.88	49.79
TOTAL Expenditures	60,000.00	29,871.88	49.79
Fund 213 - Park & Recreation Senior Citizen Centers:			
TOTAL REVENUES	66,000.00	14,760.38	22.36
TOTAL EXPENDITURES	60,000.00	29,871.88	49.79
NET OF REVENUES & EXPENDITURES	6,000.00	(15,111.50)	251.86
Fund 219 - Street Light			
Revenues			
General government	2,694,869.62	2,766,715.28	102.67
TOTAL Revenues	2,694,869.62	2,766,715.28	102.67
Expenditures			
General government	12,153.00	30,288.24	249.22
Transportation	2,682,716.62	407,662.05	15.20
TOTAL Expenditures	2,694,869.62	437,950.29	16.25
Fund 219 - Street Light:			
TOTAL REVENUES	2,694,869.62	2,766,715.28	102.67
TOTAL EXPENDITURES	2,694,869.62	437,950.29	16.25
NET OF REVENUES & EXPENDITURES	0.00	2,328,764.99	100.00

City of Flint
Revenue and Expenditure Report
For Year to Date ending September 30, 2014

GL NUMBER	2014-15 AMENDED BUDGET	YTD BALANCE 09/30/2014	% BDGT USED
Fund 226 - Rubbish Collection Fund			
Revenues			
General government	5,395,794.00	5,617,844.04	104.12
Public works	500.00	22,719.72	4,543.94
TOTAL Revenues	5,396,294.00	5,640,563.76	104.53
Expenditures			
General government	887,554.00	221,888.50	25.00
Transportation	150,000.00	2,510.00	1.67
Public works	4,358,739.36	1,067,591.49	24.49
TOTAL Expenditures	5,396,293.36	1,291,989.99	23.94
Fund 226 - Rubbish Collection Fund:			
TOTAL REVENUES	5,396,294.00	5,640,563.76	104.53
TOTAL EXPENDITURES	5,396,293.36	1,291,989.99	23.94
NET OF REVENUES & EXPENDITURES	0.64	4,348,573.77	
Fund 265 - Drug Law Enforcement Fund			
Revenues			
General government	321,562.82	0.00	0.00
Police	117,500.00	6,298.23	5.36
TOTAL Revenues	439,062.82	6,298.23	1.43
Expenditures			
Police	425,062.82	102,611.49	24.14
TOTAL Expenditures	425,062.82	102,611.49	24.14
Fund 265 - Drug Law Enforcement Fund:			
TOTAL REVENUES	439,062.82	6,298.23	1.43
TOTAL EXPENDITURES	425,062.82	102,611.49	24.14
NET OF REVENUES & EXPENDITURES	14,000.00	(96,313.26)	687.95

City of Flint
Revenue and Expenditure Report
For Year to Date ending September 30, 2014

GL NUMBER	2014-15 AMENDED BUDGET	YTD BALANCE 09/30/2014	% BDGT USED
Fund 274 - HUD CDBG, ESG, & HOME GRANTS			
Revenues			
General government	215,349.80	100.00	0.05
Fire	14,765.50	0.00	0.00
Building inspections	782,484.86	0.00	0.00
Transportation	307,422.33	0.00	0.00
Community development	10,494,206.16	69,772.71	0.66
Unclassified	20,010.02	0.00	0.00
TOTAL Revenues	11,834,238.67	69,872.71	0.59
Expenditures			
General government	215,349.80	30,938.81	14.37
Fire	14,765.50	0.00	0.00
Building inspections	782,484.86	6,682.66	0.85
Transportation	307,422.33	6,145.68	2.00
Community development	10,494,206.16	544,772.19	5.19
Unclassified	20,010.02	0.00	0.00
TOTAL Expenditures	11,834,238.67	588,539.34	4.97
Fund 274 - HUD CDBG, ESG, & HOME GRANTS :			
TOTAL REVENUES	11,834,238.67	69,872.71	0.59
TOTAL EXPENDITURES	11,834,238.67	588,539.34	4.97
NET OF REVENUES & EXPENDITURES	0.00	(518,666.63)	100.00
Fund 295 - Section 108 Loans			
Revenues			
Community development	664,625.00	795,541.46	119.70
TOTAL Revenues	664,625.00	795,541.46	119.70
Expenditures			
Community development	966,617.00	802,969.24	83.07
TOTAL Expenditures	966,617.00	802,969.24	83.07
Fund 295 - Section 108 Loans:			
TOTAL REVENUES	664,625.00	795,541.46	119.70
TOTAL EXPENDITURES	966,617.00	802,969.24	83.07
NET OF REVENUES & EXPENDITURES	(301,992.00)	(7,427.78)	2.46

City of Flint
Revenue and Expenditure Report
For Year to Date ending September 30, 2014

GL NUMBER	2014-15 AMENDED BUDGET	YTD BALANCE 09/30/2014	% BDGT USED
Fund 296 - Other Grants Fund			
Revenues			
General government	14,661.97	0.00	0.00
Police	2,703,720.08	153,202.62	5.67
Community development	638,585.16	369,016.92	57.79
Facilities and Maintenance	1,057,076.23	67,523.18	6.39
Public works	50,000.00	49,730.00	99.46
TOTAL Revenues	4,464,043.44	639,472.72	14.32
Expenditures			
General government	14,661.97	0.00	0.00
Police	2,703,720.08	855,488.29	31.64
Community development	638,585.16	77,588.27	12.15
Facilities and Maintenance	1,057,076.23	14,111.08	1.33
Public works	50,000.00	0.00	0.00
TOTAL Expenditures	4,464,043.44	947,187.64	21.22
Fund 296 - Other Grants Fund:			
TOTAL REVENUES	4,464,043.44	639,472.72	14.32
TOTAL EXPENDITURES	4,464,043.44	947,187.64	21.22
NET OF REVENUES & EXPENDITURES	0.00	(307,714.92)	100.00
Fund 297 - Federal Stimulus Fund			
Revenues			
Community development	0.00	87,662.04	100.00
TOTAL Revenues	0.00	87,662.04	100.00
Expenditures			
Community development	0.00	87,662.04	100.00
TOTAL Expenditures	0.00	87,662.04	100.00
Fund 297 - Federal Stimulus Fund:			
TOTAL REVENUES	0.00	87,662.04	100.00
TOTAL EXPENDITURES	0.00	87,662.04	100.00
NET OF REVENUES & EXPENDITURES	0.00	0.00	0.00

City of Flint
Revenue and Expenditure Report
For Year to Date ending September 30, 2014

GL NUMBER	2014-15 AMENDED BUDGET	YTD BALANCE 09/30/2014	% BDGT USED
Fund 301 - General Debt Serv(Voted Bonds)			
Revenues			
Transfers in	726,953.00	0.00	0.00
TOTAL Revenues	726,953.00	0.00	0.00
Expenditures			
Debt services - interest	260,000.00	0.00	0.00
Debt services - principal	466,953.00	0.00	0.00
TOTAL Expenditures	726,953.00	0.00	0.00
Fund 301 - General Debt Serv(Voted Bonds):			
TOTAL REVENUES	726,953.00	0.00	0.00
TOTAL EXPENDITURES	726,953.00	0.00	0.00
NET OF REVENUES & EXPENDITURES	0.00	0.00	0.00
Fund 402 - Public Improvement Fund			
Revenues			
General government	2,083,000.00	1,595,223.34	76.58
Unclassified	767,957.00	0.00	0.00
TOTAL Revenues	2,850,957.00	1,595,223.34	55.95
Expenditures			
General government	721,900.00	0.00	0.00
Transfers out	726,953.00	0.00	0.00
Debt services - interest	407,104.00	0.00	0.00
Debt services - principal	195,000.00	0.00	0.00
Public works	800,000.00	200,000.01	25.00
TOTAL Expenditures	2,850,957.00	200,000.01	7.02
Fund 402 - Public Improvement Fund:			
TOTAL REVENUES	2,850,957.00	1,595,223.34	55.95
TOTAL EXPENDITURES	2,850,957.00	200,000.01	7.02
NET OF REVENUES & EXPENDITURES	0.00	1,395,223.33	100.00

City of Flint
Revenue and Expenditure Report
For Year to Date ending September 30, 2014

GL NUMBER	2014-15 AMENDED BUDGET	YTD BALANCE 09/30/2014	% BDGT USED
Fund 542 - Building Inspection Fund			
Revenues			
General government	400,968.00	0.00	0.00
Building inspections	1,681,000.00	1,394,384.50	82.95
Transfers in	313,561.00	78,390.24	25.00
TOTAL Revenues	2,395,529.00	1,472,774.74	61.48
Expenditures			
General government	1,127,233.00	281,772.75	25.00
Building inspections	1,268,295.98	199,584.46	15.74
TOTAL Expenditures	2,395,528.98	481,357.21	20.09
Fund 542 - Building Inspection Fund:			
TOTAL REVENUES	2,395,529.00	1,472,774.74	61.48
TOTAL EXPENDITURES	2,395,528.98	481,357.21	20.09
NET OF REVENUES & EXPENDITURES	0.02	991,417.53	
Fund 590 - Sewer Fund			
Revenues			
Transfers in	0.00	200,000.01	100.00
Unclassified	3,365,101.75	0.00	0.00
Utilities	28,126,894.00	5,350,096.52	19.02
TOTAL Revenues	31,491,995.75	5,550,096.53	17.62
Expenditures			
General government	5,654,386.00	1,408,436.86	24.91
Transfers out	1,860,000.00	465,000.00	25.00
Debt services - interest	695.21	0.00	0.00
Debt services - principal	6,016.23	1,665.36	27.68
Public works	1,990,000.00	0.00	0.00
Utilities	21,980,898.31	2,361,741.13	10.74
TOTAL Expenditures	31,491,995.75	4,236,843.35	13.45
Fund 590 - Sewer Fund:			
TOTAL REVENUES	31,491,995.75	5,550,096.53	17.62
TOTAL EXPENDITURES	31,491,995.75	4,236,843.35	13.45
NET OF REVENUES & EXPENDITURES	0.00	1,313,253.18	100.00

City of Flint
Revenue and Expenditure Report
For Year to Date ending September 30, 2014

GL NUMBER	2014-15 AMENDED BUDGET	YTD BALANCE 09/30/2014	% BDGT USED
Fund 591 - Water Fund			
Revenues	3,150,000.00	8,251.60	0.26
General government	37,886,000.00	6,217,326.13	16.41
Utilities	41,036,000.00	6,225,577.73	15.17
TOTAL Revenues			
Expenditures	5,762,876.00	1,435,671.33	24.91
General government	3,768,071.00	282,500.01	7.50
Transfers out	3,190,000.00	0.00	0.00
Public works	24,932,583.15	2,268,352.43	9.10
Utilities	37,653,530.15	3,986,523.77	10.59
TOTAL Expenditures			
Fund 591 - Water Fund:	41,036,000.00	6,225,577.73	15.17
TOTAL REVENUES	37,653,530.15	3,986,523.77	10.59
TOTAL EXPENDITURES	3,382,469.85	2,239,053.96	66.20
NET OF REVENUES & EXPENDITURES			
	180,036,408.69	**42,465,584.32**	**23.59**
TOTAL REVENUES - ALL FUNDS	**176,908,852.96**	**28,950,184.86**	**16.36**
TOTAL EXPENDITURES - ALL FUNDS	**3,127,555.73**	**13,515,399.46**	
NET OF REVENUES & EXPENDITURES			

City of Flint
Revenue and Expenditure Report
For Year to Date ending September 30, 2014

GL NUMBER	2014-15 AMENDED BUDGET	YTD BALANCE 09/30/2014	% BDGT USED
Fund 101 - General Fund			
Revenues			
General government	45,232,924.00	9,182,371.13	20.76
Judicial	1,697,000.00	383,198.50	22.58
Police	3,792,257.55	627,168.15	16.54
Emergency dispatch	1,189,000.00	0.00	0.00
Fire	351,700.00	34,721.00	9.87
Building inspections	36,000.00	4,657.00	12.94
Transportation	0.00	482.00	100.00
Facilities and Maintenance	21,000.00	17,786.09	84.70
Transfers in	3,777,998.00	944,499.51	25.00
Deficit Reduction	(1,000,000.00)		0.00
TOTAL Revenues	55,097,879.55	11,194,883.38	20.32
Expenditures			
General government	28,187,133.14	5,381,889.95	19.09
Legislative	356,505.00	70,281.22	19.71
Judicial	4,099,999.48	1,451,818.49	35.41
Police	12,563,432.44	3,049,912.03	24.28
Emergency dispatch	2,604,021.00	598,041.26	22.97
Fire	6,177,803.16	1,471,430.53	23.82
Building inspections	395,276.70	66,974.87	16.94
Community development	292,007.15	46,491.27	15.92
Facilities and Maintenance	9,000.00	2,522.26	28.03
Transfers out	412,701.00	103,175.25	25.00
TOTAL Expenditures	55,097,879.07	12,242,537.13	22.22
Fund 101 - General Fund:			
TOTAL REVENUES	55,097,879.55	11,194,883.38	20.32
TOTAL EXPENDITURES	55,097,879.07	12,242,537.13	22.22
NET OF REVENUES & EXPENDITURES	0.48	(1,047,653.75)	

City of Flint
Revenue and Expenditure Report
For Year to Date ending September 30, 2014

GL NUMBER	2014-15 AMENDED BUDGET	YTD BALANCE 09/30/2014	% BDGT USED
Fund 202 - Major Street Fund			
Revenues			
General government	6,366,549.69	786,053.03	12.35
Transportation	657,072.15	42,462.70	6.46
TOTAL Revenues	7,023,621.84	828,515.73	11.80
Expenditures			
General government	1,619,530.00	404,882.49	25.00
Transportation	5,285,469.17	657,822.39	12.45
Debt services - interest	8,550.69	8,550.32	100.00
Debt services - principal	110,071.98	110,069.80	100.00
TOTAL Expenditures	7,023,621.84	1,181,325.00	16.82
Fund 202 - Major Street Fund:			
TOTAL REVENUES	7,023,621.84	828,515.73	11.80
TOTAL EXPENDITURES	7,023,621.84	1,181,325.00	16.82
NET OF REVENUES & EXPENDITURES	0.00	(352,809.27)	100.00
Fund 203 - Local Street Fund			
Revenues			
General government	1,877,827.00	181,468.92	9.66
Transportation	724,762.00	9,845.29	1.36
Unclassified	91,870.00	0.00	0.00
TOTAL Revenues	2,694,459.00	191,314.21	7.10
Expenditures			
General government	448,391.00	112,097.74	25.00
Transportation	2,246,067.39	342,527.45	15.25
TOTAL Expenditures	2,694,458.39	454,625.19	16.87
Fund 203 - Local Street Fund:			
TOTAL REVENUES	2,694,459.00	191,314.21	7.10
TOTAL EXPENDITURES	2,694,458.39	454,625.19	16.87
NET OF REVENUES & EXPENDITURES	0.61	(263,310.98)	

City of Flint
Revenue and Expenditure Report
For Year to Date ending September 30, 2014

GL NUMBER	2014-15 AMENDED BUDGET	YTD BALANCE 09/30/2014	% BDGT USED
Fund 205 - Public Safety			
Revenues			
General government	9,258,560.00	3,765,159.40	40.67
TOTAL Revenues	9,258,560.00	3,765,159.40	40.67
Expenditures			
General government	1,337,828.00	334,457.00	25.00
Police	2,690,340.00	276,200.86	10.27
Fire	5,230,392.00	888,285.16	16.98
TOTAL Expenditures	9,258,560.00	1,498,943.02	16.19
Fund 205 - Public Safety:			
TOTAL REVENUES	9,258,560.00	3,765,159.40	40.67
TOTAL EXPENDITURES	9,258,560.00	1,498,943.02	16.19
NET OF REVENUES & EXPENDITURES	0.00	2,266,216.38	100.00
Fund 207 - Police Fund			
Revenues			
General government	1,312,000.00	1,276,166.75	97.27
Police	93,180.00	0.00	0.00
TOTAL Revenues	1,405,180.00	1,276,166.75	90.82
Expenditures			
Police	1,378,103.87	290,299.25	21.07
TOTAL Expenditures	1,378,103.87	290,299.25	21.07
Fund 207 - Police Fund:			
TOTAL REVENUES	1,405,180.00	1,276,166.75	90.82
TOTAL EXPENDITURES	1,378,103.87	290,299.25	21.07
NET OF REVENUES & EXPENDITURES	27,076.13	985,867.50	3,641.09

City of Flint
Revenue and Expenditure Report
For Year to Date ending September 30, 2014

GL NUMBER	2014-15 AMENDED BUDGET	YTD BALANCE 09/30/2014	% BDGT USED
Fund 208 - Park/Recreation Fund			
Revenues			
General government	393,000.00	319,010.92	81.17
Facilities and Maintenance	4,000.00	1,190.00	29.75
Transfers in	99,140.00	24,785.01	25.00
TOTAL Revenues	496,140.00	344,985.93	69.53
Expenditures			
Facilities and Maintenance	496,140.00	88,949.02	17.93
TOTAL Expenditures	496,140.00	88,949.02	17.93
Fund 208 - Park/Recreation Fund:			
TOTAL REVENUES	496,140.00	344,985.93	69.53
TOTAL EXPENDITURES	496,140.00	88,949.02	17.93
NET OF REVENUES & EXPENDITURES	0.00	256,036.91	100.00
Fund 213 - Park & Recreation Senior Citizen Centers			
Revenues			
General government	6,000.00	0.00	0.00
Facilities and Maintenance	60,000.00	14,760.38	24.60
TOTAL Revenues	66,000.00	14,760.38	22.36
Expenditures			
Facilities and Maintenance	60,000.00	29,871.88	49.79
TOTAL Expenditures	60,000.00	29,871.88	49.79
Fund 213 - Park & Recreation Senior Citizen Centers:			
TOTAL REVENUES	66,000.00	14,760.38	22.36
TOTAL EXPENDITURES	60,000.00	29,871.88	49.79
NET OF REVENUES & EXPENDITURES	6,000.00	(15,111.50)	251.86
Fund 219 - Street Light			
Revenues			
General government	2,694,869.62	2,766,715.28	102.67
TOTAL Revenues	2,694,869.62	2,766,715.28	102.67
Expenditures			
General government	12,153.00	30,288.24	249.22
Transportation	2,682,716.62	407,662.05	15.20
TOTAL Expenditures	2,694,869.62	437,950.29	16.25
Fund 219 - Street Light:			
TOTAL REVENUES	2,694,869.62	2,766,715.28	102.67
TOTAL EXPENDITURES	2,694,869.62	437,950.29	16.25
NET OF REVENUES & EXPENDITURES	0.00	2,328,764.99	100.00

City of Flint
Revenue and Expenditure Report
For Year to Date ending September 30, 2014

GL NUMBER	2014-15 AMENDED BUDGET	YTD BALANCE 09/30/2014	% BDGT USED
Fund 226 - Rubbish Collection Fund			
Revenues			
General government	5,395,794.00	5,617,844.04	104.12
Public works	500.00	22,719.72	4,543.94
TOTAL Revenues	5,396,294.00	5,640,563.76	104.53
Expenditures			
General government	887,554.00	221,888.50	25.00
Transportation	150,000.00	2,510.00	1.67
Public works	4,358,739.36	1,067,591.49	24.49
TOTAL Expenditures	5,396,293.36	1,291,989.99	23.94
Fund 226 - Rubbish Collection Fund:			
TOTAL REVENUES	5,396,294.00	5,640,563.76	104.53
TOTAL EXPENDITURES	5,396,293.36	1,291,989.99	23.94
NET OF REVENUES & EXPENDITURES	0.64	4,348,573.77	
Fund 265 - Drug Law Enforcement Fund			
Revenues			
General government	321,562.82	0.00	0.00
Police	117,500.00	6,298.23	5.36
TOTAL Revenues	439,062.82	6,298.23	1.43
Expenditures			
Police	425,062.82	102,611.49	24.14
TOTAL Expenditures	425,062.82	102,611.49	24.14
Fund 265 - Drug Law Enforcement Fund:			
TOTAL REVENUES	439,062.82	6,298.23	1.43
TOTAL EXPENDITURES	425,062.82	102,611.49	24.14
NET OF REVENUES & EXPENDITURES	14,000.00	(96,313.26)	687.95

City of Flint
Revenue and Expenditure Report
For Year to Date ending September 30, 2014

GL NUMBER	2014-15 AMENDED BUDGET	YTD BALANCE 09/30/2014	% BDGT USED
Fund 274 - HUD CDBG, ESG, & HOME GRANTS			
Revenues			
General government	215,349.80	100.00	0.05
Fire	14,765.50	0.00	0.00
Building inspections	782,484.86	0.00	0.00
Transportation	307,422.33	0.00	0.00
Community development	10,494,206.16	69,772.71	0.66
Unclassified	20,010.02	0.00	0.00
TOTAL Revenues	11,834,238.67	69,872.71	0.59
Expenditures			
General government	215,349.80	30,938.81	14.37
Fire	14,765.50	0.00	0.00
Building inspections	782,484.86	6,682.66	0.85
Transportation	307,422.33	6,145.66	2.00
Community development	10,494,206.16	544,772.19	5.19
Unclassified	20,010.02	0.00	0.00
TOTAL Expenditures	11,834,238.67	588,539.34	4.97
Fund 274 - HUD CDBG, ESG, & HOME GRANTS:			
TOTAL REVENUES	11,834,238.67	69,872.71	0.59
TOTAL EXPENDITURES	11,834,238.67	588,539.34	4.97
NET OF REVENUES & EXPENDITURES	0.00	(518,666.63)	100.00
Fund 295 - Section 108 Loans			
Revenues			
Community development	664,625.00	795,541.46	119.70
TOTAL Revenues	664,625.00	795,541.46	119.70
Expenditures			
Community development	966,617.00	802,969.24	83.07
TOTAL Expenditures	966,617.00	802,969.24	83.07
Fund 295 - Section 108 Loans:			
TOTAL REVENUES	664,625.00	795,541.46	119.70
TOTAL EXPENDITURES	966,617.00	802,969.24	83.07
NET OF REVENUES & EXPENDITURES	(301,992.00)	(7,427.78)	2.46

City of Flint
Revenue and Expenditure Report
For Year to Date ending September 30, 2014

GL NUMBER	2014-15 AMENDED BUDGET	YTD BALANCE 09/30/2014	% BDGT USED
Fund 296 - Other Grants Fund			
Revenues			
General government	14,661.97	0.00	0.00
Police	2,703,720.08	153,202.62	5.67
Community development	638,585.16	369,016.92	57.79
Facilities and Maintenance	1,057,076.23	67,523.18	6.39
Public works	50,000.00	49,730.00	99.46
TOTAL Revenues	4,464,043.44	639,472.72	14.32
Expenditures			
General government	14,661.97	0.00	0.00
Police	2,703,720.08	855,488.29	31.64
Community development	638,585.16	77,588.27	12.15
Facilities and Maintenance	1,057,076.23	14,111.08	1.33
Public works	50,000.00	0.00	0.00
TOTAL Expenditures	4,464,043.44	947,187.64	21.22
Fund 296 - Other Grants Fund:			
TOTAL REVENUES	4,464,043.44	639,472.72	14.32
TOTAL EXPENDITURES	4,464,043.44	947,187.64	21.22
NET OF REVENUES & EXPENDITURES	0.00	(307,714.92)	100.00
Fund 297 - Federal Stimulus Fund			
Revenues			
Community development	0.00	87,662.04	100.00
TOTAL Revenues	0.00	87,662.04	100.00
Expenditures			
Community development	0.00	87,662.04	100.00
TOTAL Expenditures	0.00	87,662.04	100.00
Fund 297 - Federal Stimulus Fund:			
TOTAL REVENUES	0.00	87,662.04	100.00
TOTAL EXPENDITURES	0.00	87,662.04	100.00
NET OF REVENUES & EXPENDITURES	0.00	0.00	0.00

City of Flint
Revenue and Expenditure Report
For Year to Date ending September 30, 2014

GL NUMBER	2014-15 AMENDED BUDGET	YTD BALANCE 09/30/2014	% BDGT USED
Fund 301 - General Debt Serv(Voted Bonds)			
Revenues			
Transfers in	726,953.00	0.00	0.00
TOTAL Revenues	726,953.00	0.00	0.00
Expenditures			
Debt services - interest	260,000.00	0.00	0.00
Debt services - principal	466,953.00	0.00	0.00
TOTAL Expenditures	726,953.00	0.00	0.00
Fund 301 - General Debt Serv(Voted Bonds):			
TOTAL REVENUES	726,953.00	0.00	0.00
TOTAL EXPENDITURES	726,953.00	0.00	0.00
NET OF REVENUES & EXPENDITURES	0.00	0.00	0.00
Fund 402 - Public Improvement Fund			
Revenues			
General government	2,083,000.00	1,595,223.34	76.58
Unclassified	767,957.00	0.00	0.00
TOTAL Revenues	2,850,957.00	1,595,223.34	55.95
Expenditures			
General government	721,900.00	0.00	0.00
Transfers out	726,953.00	0.00	0.00
Debt services - interest	407,104.00	0.00	0.00
Debt services - principal	195,000.00	0.00	0.00
Public works	800,000.00	200,000.01	25.00
TOTAL Expenditures	2,850,957.00	200,000.01	7.02
Fund 402 - Public Improvement Fund:			
TOTAL REVENUES	2,850,957.00	1,595,223.34	55.95
TOTAL EXPENDITURES	2,850,957.00	200,000.01	7.02
NET OF REVENUES & EXPENDITURES	0.00	1,395,223.33	100.00

City of Flint
Revenue and Expenditure Report
For Year to Date ending September 30, 2014

GL NUMBER	2014-15 AMENDED BUDGET	YTD BALANCE 09/30/2014	% BDGT USED
Fund 542 - Building Inspection Fund			
Revenues			
General government	400,968.00	0.00	0.00
Building inspections	1,681,000.00	1,394,384.50	82.95
Transfers in	313,561.00	78,390.24	25.00
TOTAL Revenues	2,395,529.00	1,472,774.74	61.48
Expenditures			
General government	1,127,233.00	281,772.75	25.00
Building inspections	1,268,295.98	199,584.46	15.74
TOTAL Expenditures	2,395,528.98	481,357.21	20.09
Fund 542 - Building Inspection Fund:			
TOTAL REVENUES	2,395,529.00	1,472,774.74	61.48
TOTAL EXPENDITURES	2,395,528.98	481,357.21	20.09
NET OF REVENUES & EXPENDITURES	0.02	991,417.53	
Fund 590 - Sewer Fund			
Revenues			
Transfers in	0.00	200,000.01	100.00
Unclassified	3,365,101.75	0.00	0.00
Utilities	28,126,894.00	5,350,096.52	19.02
TOTAL Revenues	31,491,995.75	5,550,096.53	17.62
Expenditures			
General government	5,654,386.00	1,408,436.86	24.91
Transfers out	1,860,000.00	465,000.00	25.00
Debt services - interest	695.21	0.00	0.00
Debt services - principal	6,016.23	1,665.36	27.68
Public works	1,990,000.00	0.00	0.00
Utilities	21,980,898.31	2,361,741.13	10.74
TOTAL Expenditures	31,491,995.75	4,236,843.35	13.45
Fund 590 - Sewer Fund:			
TOTAL REVENUES	31,491,995.75	5,550,096.53	17.62
TOTAL EXPENDITURES	31,491,995.75	4,236,843.35	13.45
NET OF REVENUES & EXPENDITURES	0.00	1,313,253.18	100.00

City of Flint
Revenue and Expenditure Report
For Year to Date ending September 30, 2014

GL NUMBER	2014-15 AMENDED BUDGET	YTD BALANCE 09/30/2014	% BDGT USED
Fund 591 - Water Fund			
Revenues			
General government	3,150,000.00	8,251.60	0.26
Utilities	37,886,000.00	6,217,326.13	16.41
TOTAL Revenues	41,036,000.00	6,225,577.73	15.17
Expenditures			
General government	5,762,876.00	1,435,671.33	24.91
Transfers out	3,768,071.00	282,500.01	7.50
Public works	3,190,000.00	0.00	0.00
Utilities	24,932,583.15	2,268,352.43	9.10
TOTAL Expenditures	37,653,530.15	3,986,523.77	10.59
Fund 591 - Water Fund:			
TOTAL REVENUES	41,036,000.00	6,225,577.73	15.17
TOTAL EXPENDITURES	37,653,530.15	3,986,523.77	10.59
NET OF REVENUES & EXPENDITURES	3,382,469.85	2,239,053.96	66.20
TOTAL REVENUES - ALL FUNDS	**180,036,408.69**	**42,465,584.32**	**23.59**
TOTAL EXPENDITURES - ALL FUNDS	**176,908,852.96**	**28,950,184.86**	**16.36**
NET OF REVENUES & EXPENDITURES	**3,127,555.73**	**13,515,399.46**	

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Tuesday, October 28, 2014 3:20 PM
To: Byrne, Randall (Treasury); Kapp, Gene (MSP); Muchmore, Dennis (GOV); Roberts, John (DTMB); Dempkowski, Angela (Treasury); Baird, Richard (GOV); Darnell Earley; Deasy, Thomas (MSP); Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Etue, Kriste (MSP); Hollins, Harvey (GOV); Hill, Darryl (MSP); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); Lee, Nichole (MSP); McGowan, Emmitt (MSP); Smith, Paul (GOV); Sands, Thomas (MSP); Sipes, Stephen (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY); West, Samantha (GOV)
Subject: Conference Call Agenda - Wednesday, October 29, 2014
Attachments: Agenda & Attachment 102914 Conf Call with Treasury.pdf

Good afternoon,

Please find attached the agenda for the Wednesday, October 29th, 9:00 am conference call.

Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Darnell Earley, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

Redacted

7) **Water Issues**
   a) General Motors Water Issues – working through lawyers at this point. We are close to a final agreement regarding their level as a customer with the City of Flint.
   b) A meeting with the Department of Environmental Quality will follow this meeting today.

Redacted

Redacted

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Tuesday, October 28, 2014 3:58 PM
To: Maxine Murray
Subject: City of Flint Quarterly Update October 2014
Attachments: Fact Sheet.PDF

The City of Flint recently presented a quarterly strategic plan and budget review to the City Council and the public for the period July 1-September 30, 2014. We are pleased to report on the progress made despite the significant challenges and risks that remain.

Overall, the City of Flint has a vision and a plan and now it is focused on implementation in order to achieve a stronger and financially sound municipal government along with a safer and more stable community. Working together as a team, the City of Flint has been successful in the previous quarter in increasing public safety, improving infrastructure, creating jobs and development, eliminating blight, engaging citizens and managing financial and administrative challenges.

The quarterly strategic plan and budget review documents are available on the City's website at www.cityofflint.com and I encourage you to take a look and become informed on the City's current condition.

Areas of success noted in the quarterly report overview include:

- Law enforcement is working hard with growing community support and total homicide victims is down 28% compared with 2013.

- Utilities is managing with an eye toward the future and the construction of the KWA pipeline is underway, on time and within budget.

- Development activities have increased with new facilities under construction at GM Flint Assembly, on the Buick City brownfield site with American Pipe, and downtown in the Health and Wellness District.

- Blighted properties continue to be eliminated, using state and federal funds, and neighborhood volunteer groups have removed more than 2 million pounds of trash in major cleanup efforts.

- The General Fund deficit continues to be reduced, and the City's financial position is stabilized at least for the near term. Preliminary projections show the deficit as of June 30, 2014 to be $9 million, a reduction from $12.9 million the previous year.

- Revenues and expenses for the first quarter of FY15 are in line with expectations.

- Internal restructuring of the City continues at it strives to become efficient, effective, and customer service focused in an environment much smaller than in the past.

- The transition from state oversight to traditional home rule is underway, guided by the Seven Point Plan recently enacted. If progress continues as anticipated, the next step in transition will occur in 2015.

Challenges also continue. The transition from DWSD to the Flint River for the City's temporary supply of water until KWA is complete has occurred; however, the work of producing treated water has been complicated by the system's aging infrastructure and varying temperatures. A badly needed update to the City's web site is underway; progress has been delayed from initial completion targets as the selected vendor was unable to perform necessary tasks. The retiree lawsuit, whose outcome can seriously affect the financial solvency of the City, remains unresolved. Work continues to get done under difficult circumstances with limited resources, however the new strategic planning process is improving the City of Flint's productivity, responsiveness and accountability.

Another aspect of achieving the City's vision and mission is in governance and administration. Six charter questions are on the November 4th ballot that cover a charter commission, mayoral appointees, required offices, and the budget process. A fact sheet is attached so that you can be informed on the questions.

The next quarterly update and budget amendment is expected in January 2015. Stay tuned for that and please contact me anytime with questions, suggestions or concerns.

Sincerely,

Dayne Walling

mayor@cityofflint.com

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Darnell Earley, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

City of Flint, Michigan

FLINT BALLOT QUESTIONS FACT SHEET

ELECTION DAY - NOVEMER 4, 2014

On November 4, 2014, City of Flint voters will have an opportunity to decide on five charter amendment ballot questions, as well as whether to establish a charter review commission. The following is intended to provide basic information about these important issues.

A. What questions are on the Ballot?

There are six City of Flint Charter questions on the ballot, five charter amendment ballot questions, as well as whether to establish a charter review commission. The ballot language for each question is noted below. The ballot language is a summary of the proposed action that is approved by the State to ensure it is accurate and understandable. The actual change in the Charter is also provided for information purposes where applicable.

A PROPOSAL FOR A GENERAL REVISION OF THE FLINT CITY CHARTER
Shall there be a general revision of the Flint City Charter?

AN AMENDMENT TO REDUCE THE NUMBER OF MAYORAL PRINCIPAL STAFF APPOINTMENTS
Shall Flint City Charter §4-202(C) be amended to reduce the number of mayoral principal staff appointments from no more than ten (10) to no more than five (5)?

AN AMENDMENT TO REQUIRE BUDGETARY BEST PRACTICES
Shall Flint City Charter §7-101 be amended to provide that the annual budget presented to City Council be accompanied by a budget message explaining the budget, providing for multi-year financial plans and revenue projections, and the establishment of a Budget Stabilization Fund?

AN AMENDMENT TO ELIMINATE FLINT CITY CHARTER SECTION 4-203, EXECUTIVE DEPARTMENTS
Shall Flint City Charter §4-203 be eliminated, which would eliminate the requirement for specific executive departments?

AN AMENDMENT TO ELIMINATE THE CIVIL SERVICE COMMISSION
Shall Flint City Charter §5-101 through §5-205 be eliminated, which would eliminate the Civil Service Commission?

AN AMENDMENT TO ELIMINATE THE OFFICE OF THE OMBUDSMAN
Shall Flint City Charter §3-501 through §3-517 be eliminated, which would eliminate the Office of the Ombudsman?

B. What is a Charter Review Commission?

A charter review commission is established in order to consider changing the form of government. Often a charter review commission will propose substantial changes to the form of government with a total revision of the Charter. However, there is no requirement that they do so.

The establishment of a charter review commission is a long-term process, which is defined by Michigan's Home Rule City Act. (Act 279 of 1909, MCL 117.1, et seq.) The process entails several steps:

a) First, voters must decide whether to establish a charter review commission. That is the decision Flint voters will make on November 4, 2014.
b) If voters decide in favor of a charter review commission, then candidates for the charter review commission will have a period of time to submit nomination petitions. In this case, each candidate will need to submit a minimum of 246 valid signatures.
c) A second election will be held to elect nine (9) members to the charter review commission.
d) The charter review commission will then meet, analyze the Charter and, after an extensive period of careful study, either propose a new charter or take no action.
e) If the charter review commission proposes a new charter, it is placed on the ballot for Flint voters to decide. Flint voters will have the right to accept or reject the proposed new charter.

A charter review commission has independent authority to decide if any revisions to the Charter are necessary and, if so, what revisions should be made.

C. What is a Charter Amendment?

A charter amendment is a modification of an existing charter section. An amendment does not modify the form of government. Rather, an amendment addresses a needed change in a particular section of the charter. Even if all of the proposed amendments are approved by voters, the City of Flint will continue to have a strong mayor form of government, with the powers of the Mayor and City Council unchanged. The current Charter has been amended numerous times since 1974.

D. How did these questions get on the Ballot?

The ballot questions are the culmination of months of dedicated efforts by the Blue Ribbon Committee on Governance Reform, a research and study group composed of twenty-two members, more than 75% of whom are Flint residents including Mayor Dayne Walling and Councilman Bryant Nolden. These residents, like many in our community, are very concerned about the future of Flint. They carefully analyzed and debated Flint's government, and considered various ways the Charter might be revised to allow the City to maintain fiscal stability and improve governance. The BRC concluded its mission by preparing a report which can be read at: www.cityofflint.com. The report includes numerous recommendations including, among other things, six ballot questions that were approved by the Emergency Manager to be placed on the ballot.

E. Additional Information

On November 4, 2014, Flint voters will have a momentous opportunity to shape the future of their city. In determining whether the current City Charter should be revised, they have the power to set in motion changes to a governmental structure that has existed for forty years. Voters will also have the power to amend existing provisions of the Charter. These amendments, if adopted, would modify certain functions of government, but would not change the form of government. All of the proposed amendments would benefit the financial condition of Flint. With both a charter review commission and charter amendments, Flint voters face significant decisions about their government, and careful study and deliberation are warranted.

1. Charter Revision Question

A charter review commission is established in order to consider changing the form of government. Often a charter review commission will propose substantial changes to the form of government with a total revision of the Charter. However, there is no requirement that they do so.

The establishment of a charter review commission is a long-term process, which is defined by Michigan's Home Rule City Act. (Act 279 of 1909, MCL 117.1, et seq.) The process entails several steps:

a) First, voters must decide whether to establish a charter review commission. That is the decision Flint voters will make on November 4, 2014.
b) If voters decide in favor of a charter review commission, then candidates for the charter review commission will have a period of time to submit nomination petitions. In this case, each candidate will need to submit a minimum of 246 valid signatures.
c) A second election will be held to elect nine (9) members to the charter review commission.
d) The charter review commission will then meet, analyze the Charter and, after an extensive period of careful study, either propose a new charter or take no action.
e) If the charter review commission proposes a new charter, it is placed on the ballot for Flint voters to decide. Flint voters will have the right to accept or reject the proposed new charter.

A charter review commission has independent authority to decide if any revisions to the Charter are necessary and, if so, what revisions should be made. The question on the ballot is as follows:

A PROPOSAL FOR A GENERAL REVISION OF THE FLINT CITY CHARTER

Shall there be a general revision of the Flint City Charter?
Yes
No

2. Amendment: Reduce Mayoral Executive Staff

This amendment to subsection 4-202(C) proposes reducing the maximum number of mayoral principal staff appointments from ten (10) to five (5). If it passes, the Mayor will appoint fewer individuals as staff.

AN AMENDMENT TO REDUCE THE NUMBER OF MAYORAL PRINCIPAL STAFF APPOINTMENTS

Shall Flint City Charter §4-202(C) be amended to reduce the number of mayoral principal staff appointments from no more than ten (10) to no more than five (5)?

Yes

No

3. Amendment: Require Budgetary Best Practices

This amendment to subsection 7-101 would require that the annual budget presented to City Council be accompanied by a budget message prepared by the Mayor. The budget message would explain the budget and provide for a multi-year financial plan and revenue projections.

It would also establish a Budget Stabilization Fund. This fund would be created and added to from surpluses within the General Fund. It will be used as a "rainy day fund" for when the City faces future economic downturns, recessions, or financial difficulties.

AN AMENDMENT TO REQUIRE BUDGETARY BEST PRACTICES

Shall Flint City Charter §7-101 be amended to provide that the annual budget presented to City Council be accompanied by a budget message explaining the budget, providing for multi-year financial plans and revenue projections, and the establishment of a Budget Stabilization Fund?

Yes

No

This charter amendment would add language to the Charter Sec. 7-101 BUDGET as follows.

Sec. 7-101 BUDGET.
Current: A. On or before the first (1st) Monday in April of each year, the Mayor shall submit to the City Council a proposed annual budget for the next fiscal year which shall begin on July 1.

Add: B. The Mayor's message shall explain the budget both in fiscal terms and in terms of the work programs, demonstrating how spending priorities are guided by and adherent to the City's Master Plan. It shall outline the proposed financial policies of the City for the ensuing fiscal year and the impact of those policies on future years. It shall describe the important features of the budget, indicate any major changes from the current year in financial policies, expenditures, and revenues together with the reasons for such changes, summarize the City's debt position, including factors affecting the ability to raise resources through debt issues, and include such other material as the Mayor deems desirable.

C. The budget shall provide a complete three (3) year financial plan of all City funds and activities, with five (5) years of revenue projections, and, except as required by law or this Charter, shall be in such form as the Mayor deems desirable or the City Council may require for effective management and an understanding of the relationship between the budget and the City's strategic goals. The budget shall begin with a clear general summary of its contents; shall show in detail all estimated income, indicating the proposed property tax levy, and all proposed expenditures, including debt service, for the ensuing fiscal year; and shall be so arranged as to show comparative figures for actual and estimated income and expenditures of the current fiscal year and actual income and expenditures of the preceding fiscal year. It shall indicate in separate sections:

1. The proposed goals and expenditures for current operations, detailed for each fund by department or by other organization unit, and program, purpose or activity, method of financing such expenditures, and methods to measure outcomes and performance related to the goals;

2. Proposed longer-term goals and capital expenditures, detailed for each fund by department or by other organization unit when practical, the proposed method of financing each such capital expenditure, and methods to measure outcomes and performance related to the goals; and

3. The proposed goals, anticipated income and expense, profit and loss for each utility or other enterprise fund or internal service fund operated by the City, and methods to measure outcomes and performance related to the goals. For any fund, the total of proposed expenditures shall not exceed the total of estimated income plus carried forward fund balance exclusive of reserves.

D. The City shall establish a budget stabilization fund which shall be separate and distinct from the City's general fund. Appropriations to the fund and expenditures from the fund shall be made in compliance with Act 30, Public Acts of Michigan of 1978, as amended, being MCL 141.441 et seq.

4. Amendment: Eliminate Executive Department Requirements

Currently, the City Charter Sec 4-203 requires the City to create specific executive departments with department heads appointed by the Mayor "to administer the responsibilities of the City for public safety, public works, utilities, parks and recreation, transportation including aviation, finance, community development, and environmental protection." The proposed amendment would eliminate this requirement and in the future, executive departments will be created and reorganized by ordinance, when necessary, pursuant to City policy.

AN AMENDMENT TO ELIMINATE FLINT CITY CHARTER SECTION 4-203, EXECUTIVE DEPARTMENTS

Shall Flint City Charter §4-203 be eliminated, which would eliminate the requirement for specific executive departments?

Yes

No

5. Amendment: Eliminate Civil Service Commission

This amendment would eliminate the Civil Service Commission. Under the current City Charter, the Civil Service Commission provides oversight to the personnel administration of the City through a separate staff. The Commission must be staffed at all times, even during periods of financial stress. Eliminating the Civil Service Commission and addressing its functions through an ordinance would grant the City flexibility to change as City policy is shaped. In addition, eliminating the Civil Service Commission will save the City an estimated $187,643 annually.

AN AMENDMENT TO ELIMINATE THE CIVIL SERVICE COMMISSION

Shall Flint City Charter §5-101 through §5-205 be eliminated, which would eliminate the Civil Service Commission?

Yes

No

6. Amendment: Eliminate Ombudsman Office

This amendment would eliminate the Office of the Ombudsman from the City Charter. Under the Charter, the Office investigates grievances against City agencies. Currently, the Ombudsman's Office must be staffed at all times, even during periods of financial stress. Eliminating the Ombudsman will save the City an estimated $635,780 in each adopted two-year budget. Eliminating the Ombudsman and addressing its functions through an ordinance would grant the City flexibility to change as City policy is shaped.

AN AMENDMENT TO ELIMINATE THE OFFICE OF THE OMBUDSMAN

Shall Flint City Charter §3-501 through §3-517 be eliminated, which would eliminate the Office of the Ombudsman?

Yes

No

City of Flint, Michigan

FLINT BALLOT QUESTIONS FACT SHEET

ELECTION DAY - NOVEMER 4, 2014

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Monday, November 10, 2014 3:14 PM
To: Carter, Jerry (MSP); Kapp, Gene (MSP); Muchmore, Dennis (GOV); Roberts, John (DTMB); Dempkowski, Angela (Treasury); Baird, Richard (GOV); Darnell Earley; Deasy, Thomas (MSP); Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Etue, Kriste (MSP); Hollins, Harvey (GOV); Hill, Darryl (MSP); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); Lee, Nichole (MSP); McGowan, Emmitt (MSP); Smith, Paul (GOV); Byrne, Randall (Treasury); Sands, Thomas (MSP); Sipes, Stephen (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY); West, Samantha (GOV)
Subject: Treasury Conference Call Agenda
Attachments: Agenda 110714 Conf Call with Treasury.docx

Good afternoon,

In light of the meeting cancellation, please add to the attached agenda any items/updates from Michigan State Police, Governor's Office, or others and share with the group. These updates will be added to the on-going agenda.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Darnell Earley, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

Attention Michigan State Police and Governor's Office: please add your agenda items and share with the group. These additions, once received, will become part of the on-going agenda.

City of Flint Wednesday 9:00am Phone Conference Agenda
November 12, 2014 CANCELLED

Redacted

Redacted

7) **Water Issues**
   a) General Motors Water Issues – working through lawyers at this point. We are close to a final agreement regarding their level as a customer with the City of Flint.
   b) A meeting with the Department of Environmental Quality was held on October 29. A number of steps for continued support were discussed. More follow-up is planned. We are awaiting action from the DEQ on getting a message of support out to the public.

Redacted

Redacted

Jason Lorenz Public Information Officer
(810) 237-2039
jlorenz@cityofflint.com

For Immediate Release

City of Flint Announces New Timeline for Charter Review Commission Election

Flint, Michigan – November 10, 2014 – Flint Emergency Manager Darnell Earley issued the following statement this morning:

> "Flint City Attorney Peter Bade and outside counsel have had further discussions with election law experts regarding the timing of the charter review commission election. Based on changes in Michigan election law that became effective in 2014, it has been concluded there is insufficient time to submit this matter to the electorate in February, 2015, and achieve the best possible outcomes. Accordingly, the charter review commission election will be scheduled in May, 2015. This will afford Flint residents additional time to consider this important matter and, for those interested in serving on the commission, more time to gather petition signatures."

The date of the May election and the deadline for submission of nomination petitions will be announced shortly.

Earley further stated, "We want to get this right and provide the citizens of Flint every opportunity be a part of this civic engagement process. The extra time to pull together all of the components of such an effort should assure a relatively smooth process and produce some candidates ready to roll up their sleeves and delve into this very critical exercise in governance and public policy."

–END–

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Tuesday, November 25, 2014 3:42 PM
To: Carter, Jerry (MSP); Kapp, Gene (MSP); Muchmore, Dennis (GOV); Roberts, John (DTMB); Dempkowski, Angela (Treasury); Baird, Richard (GOV); Darnell Earley; Deasy, Thomas (MSP); Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Etue, Kriste (MSP); Hollins, Harvey (GOV); Hill, Darryl (MSP); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); Lee, Nichole (MSP); McGowan, Emmitt (MSP); Smith, Paul (GOV); Byrne, Randall (Treasury); Sands, Thomas (MSP); Sipes, Stephen (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY); West, Samantha (GOV)
Subject: Bi-Weekly Conference Call Agenda
Attachments: Agenda & Attachments 112614 Conf Call with Treasury.pdf

Good afternoon,

Please find attached the agenda for the Wednesday, November 26th, 9:00 am conference call.

Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Darnell Earley, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

City of Flint Wednesday 9:00am Phone Conference Agenda
November 26, 2014

Redacted

Redacted

7) **Water Issues**
   a) General Motors Water Issues – working through lawyers at this point. We are close to a final agreement regarding their level as a customer with the City of Flint.
   b) A meeting with the Department of Environmental Quality was held on October 29. A number of steps for continued support were discussed. More follow-up is planned. We are awaiting action from the DEQ on getting a message of support out to the public.

Redacted

Redacted

Attachment: Chicago Fed Letter
Demo Request Letter, Map and Chart

1-888-557-8511, access code 3389106
Created on: 11/19/14

ESSAYS ON ISSUES | THE FEDERAL RESERVE BANK OF CHICAGO | DECEMBER 2014 NUMBER 329

Chicago Fed Letter

Understanding trends in state revenue sharing with local governments in Michigan

by Martin Lavelle, business economist

Over the past few years, discretionary cutbacks in state revenue sharing, as well as other related fiscal and economic factors, have led to budgetary challenges for local governments across the country, including those in Michigan. To study this issue in depth, the author looks at trends in revenue sharing between state and local governments in Michigan since the early 2000s.

Note to our valued subscribers: Starting in January 2015, *Chicago Fed Letter* will be printed on an occasional basis with additional issues published more frequently online. To sign up for email alerts about new articles, download the latest issues, or search our archives, please visit www.chicagofed.org/webpages/publications/chicago_fed_letter/index.cfm.

This *Chicago Fed Letter* examines the general role of state revenue sharing in local governments' budgets by focusing on the case of Michigan. Many observers have asserted that a major contributor to the financial difficulties of local governments in Michigan has been the significant drop in revenue sharing funds from the state government. To study this assertion, I examine the roots of the fiscal problems facing Michigan's local governments in recent years and the ways in which these governments have been dealing with diminished tax revenue bases.

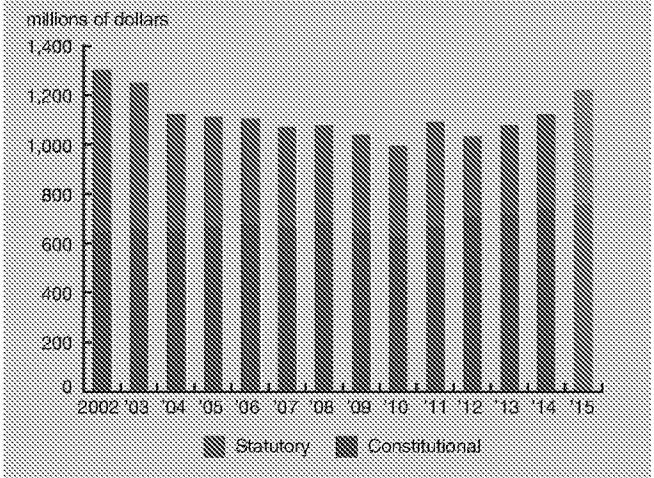
Michigan's local governments began to experience fiscal stress about a decade ago, when the state economy started to perform poorly. More recently, the financial conditions of many local governments in Michigan continued to deteriorate even as the state government saw surpluses following the Great Recession. Consequently, multiple units of local government—including the City of Detroit, the Detroit Public Schools, and the City of Flint—have been under the authority of state-appointed emergency managers (EMs), who have the task of returning these public entities to fiscal solvency. If an EM determines that fiscal solvency cannot be regained through cost-cutting, the selling of assets, and negotiations with creditors, that EM can ask for state approval to take the public entity into bankruptcy proceedings, which is what happened with the City of Detroit.[1]

Current trends

Revenue sharing programs can come under stress when economic activity slows, putting state budgets under pressure, which may in turn lead to decreases in revenue sharing with local governments.[2] To a large extent, declining revenue sharing in Michigan has been due to the state's weak economy. Michigan suffered a one-state recession, which began in late 2003 and lasted until mid-2009, when the nation's Great Recession also concluded. During the one-state recession, Michigan experienced decreases in its own-source revenues and population, which ultimately resulted in declining state revenue sharing with local governments. As seen in figure 1, since 2002, local governments in Michigan have generally received fewer revenue sharing funds from the state with each passing year.

The long decline in state funds available for revenue sharing with localities can best be understood by examining indicators of Michigan's economy. The 2010 U.S. Census revealed that Michigan was

1. Michigan's state revenue sharing with local governments



Note: The fiscal year 2015 value is a State of Michigan estimate.

Sources: Fiscal years 2002–05 data from the Michigan House of Representatives, House Fiscal Agency, available at www.house.mi.gov/hfa/PDF/GeneralGovernment/EVIP_Memo.pdf; and fiscal years 2006–15 data from the State of Michigan, available at www.michigan.gov/documents/ActualEstPayments_3018_7.pdf?20130801163626.

2. Michigan's state revenue sharing as share of state spending

Note: This figure displays state revenue sharing with local governments as a percentage of state spending from only state revenue resources for fiscal years 1980–2013.

Sources: Annual reports titled "Statement of the proportion of total state spending from state sources paid to units of local government (legal basis)" from the Library of Michigan.

the only state to lose population during the period 2000–10.[3] The population loss was brought on by a sharply declining job base and a jump in unemployment. Meanwhile, Michigan's residential real estate sector suffered a severe downturn. Michigan is not commonly identified with the mid-2000s housing price bubble. However, Michigan's drop in housing market activity during that time was comparable to what happened in those places that were hardest hit by the housing crisis. Today, new home construction in Michigan remains around 67% below its long-term trend—twice the gap that exists between overall U.S. new home construction and its long-term trend.[4] And with home prices having decreased sharply statewide over the 2006–12 period,[5] taxable home values are down significantly. Amid all these difficulties, retail sales on an annual basis were lower in 2009–10 than in 2002–08, which meant that the state had fewer sales tax collections—the primary basis of the state's revenue sharing program.[6]

As evident in figure 1, the state's revenue sharing with local governments in Michigan is composed of two parts: a portion that is determined by the formula set forth in the state constitution and a portion that is based on the formula set by the state statutory program in place at the time. Since 2002, revenue sharing funds as mandated in the state constitution have been fairly flat, while such funds from the statutory program have fallen sharply.

In Michigan, constitutionally mandated state revenue sharing with local governments began with the passage of an amendment to the state constitution in 1946;[7] under article IX, section 10 of the Michigan Constitution, the state government must share sales tax revenue with local governments.[8] In 1963, the amendment was modified to apportion 15% of the 4% statewide sales tax revenue to local governments on a per capita basis.[9] A locality's population count is determined by the U.S. Census Bureau and adjusted by subtracting 50% of the number of patients, wards, and convicts confined to public-tax-supported institutions within its borders.[10] Although certain individual units of local government might have gotten fewer funds from the state under this formulation in recent years, the overall levels of constitutionally mandated state revenue sharing have stayed fairly consistent over the past 13 years.

In contrast, there has been a clear trend in falling statutory revenue sharing. This pattern can be traced back to the early part of the last decade, when the State of Michigan started to face significant budgetary pressures. From then on, the state addressed its own fiscal problems partly through deep cuts to the existing statutory revenue sharing program. Over the period 1999–2010, statutory revenue sharing amounts were distributed according to a formula that was based generally on taxable home value per capita and population.[11] Hence, those communities most adversely affected by economic travails (i.e., those that were already experiencing dramatic home value declines and population flight) tended to have their fiscal stress magnified by the erosion of state revenue sharing funds under this distribution formula. Shortly after Governor Rick Snyder took office in 2011, the Economic Vitality Incentive Program (EVIP) became Michigan's statutory revenue sharing program. Local governments that received revenue sharing funds through the EVIP got significantly less than what they would have under the previous statutory revenue formula (e.g., in 2012 and 2013, local governments received a combined $173.5 million less than they would have).[12] For fiscal year 2015, the City, Village, and Township Revenue Sharing (CVTRS) program has replaced the EVIP.[13] Like the EVIP, the CVTRS program is likely to fall short of fully restoring statutory revenue sharing funds to levels before Michigan's one-state recession (see figure 1). Given these policy changes, it is easy to see why state revenue sharing in Michigan

3. Share of local government budgets from the state, 2010

A. Seventh District		B. Top five across United States	
Michigan	43.3	Vermont	66.2
Wisconsin	39.6	Arkansas	55.5
Indiana	36.7	New Mexico	48.9
Iowa	31.3	Delaware	47.1
Illinois	28.5	Michigan	43.3
		U.S.	33.1

Note: The U.S. value is the total dollar amount in state revenue sharing divided by the total dollar amount of local government budgets across all states.

Source: Author's calculations based on data from the U.S. Census Bureau, 2011 *Annual Survey of State & Local Government Finances*, available at http://www2.census.gov/govs/local/11slsstab1a.xls.

has fallen since the early 2000s. As shown in figure 2, state revenue sharing as a percentage of state spending from state resources fell to 56.3% in 2013 from its peak of 64.3% in 2002.

There is a wider context for understanding the impact of Michigan's declining state revenue sharing with localities since the early 2000s. In 1994, the state imposed a 2 percentage point increase in its sales tax (from 4% to 6%) to help fund a much-expanded local school aid system (as mandated by Proposal A, which I discuss in more detail later).[14] And so, for most of the 1990s and early 2000s, local governments in Michigan became more dependent on state revenue sharing than those in most other states—and this relatively high state dependence remains in place today. As seen in panel A of figure 3, among communities of states in the Seventh Federal Reserve District,[15] local governments in Michigan are the most reliant on state funding (with 43.3% of their budgets funded by the state); among all U.S. communities, Michigan localities rank fifth in this regard (see panel B of figure 3). In fiscal year 2012, state revenue sharing with local governments represented almost three-fifths (nearly $15 billion) of all state spending from state resources.[16] Figure 2 shows that the percentage of state resources dedicated to intergovernmental revenue sharing has fallen since the beginning of Michigan's one-state recession, but has remained above its constitutional mandate (of 48.97%).[17]

Local fiscal ability

Michigan's economic collapse during the past decade also directly impacted local governments' own-source revenue-raising abilities. More specifically, the deep drop in Michigan home values greatly stressed local budgets because local governments depend so highly on property taxes to fund their services. While local own-source revenues declined (along with revenue sharing funds from the state), local governments were hamstrung in raising new revenues themselves from their own communities. The 1978 Headlee Amendment to the Michigan Constitution explicitly forbids the use of some alternative revenue sources for local governments in Michigan that are employed in other states: Local governments are limited in their local income tax options; they may not institute taxes such as sales or motor fuel taxes; and their use of the local property tax is tightly constrained.[18] The vast majority of states place some limitations on the local property tax, but Michigan is among the very few with all four types of limitations (revenue, levy, rate, and assessment limits).[19] More specifically, local property and other local taxes may not be raised without local voter approval.[20] If Michigan's property tax revenue base is broadened, property tax rates must decrease. If property values (excluding those for new construction and improvements) increase at a rate greater than inflation, property tax rates must be adjusted in order to maintain the same gross revenue (changing strictly in line with inflation alone).[21] However, property tax rates are allowed to drop at a rate greater than the inflation rate.[22]

A related feature currently putting additional fiscal stress on local governments is the manner in which Michigan schools are funded. Michigan schools' operating expenditures are funded primarily through state tax revenues as a result of the passage of Proposal A in 1994.[23] While this program shifts the responsibility for funding education (equitably across school districts) to the state, it also exposes local education funding to any budget difficulties the state may experience. After Michigan's recession began in 2003, state revenue sharing to local school districts decreased. And despite Michigan's economic rebound since mid-2009, local school districts remain fiscally challenged, in part because of recent spikes in teacher retirement costs.[24]

Conclusion

While economic downturns clearly put pressure on state and local governments alike, in Michigan's case they have also added volatility and uncertainty into the revenue relationships between state and local governments. Because of changes to Michigan's statutory revenue sharing program and tax code, local government officials have become increasingly uncertain that statutory revenue sharing will reach pre-2003 levels. Local governments in Michigan may be forced to adjust what their services programs can deliver because of expected lower amounts of state aid over the medium term and possibly the long term. Meanwhile, Michigan localities' latitude to maintain their own programs with their own revenue sources is seemingly limited by law.

Charles L. Evans, *President*; Daniel G. Sullivan, *Executive Vice President and Director of Research*; Spencer Krane, *Senior Vice President and Economic Advisor*; David Marshall, *Senior Vice President, financial markets group*; Daniel Aaronson, *Vice President, microeconomic policy research*; Jonas D. M. Fisher, *Vice President, macroeconomic policy research*; Richard Heckinger, *Vice President, markets team*; Anna L. Paulson, *Vice President, finance team*; William A. Testa, *Vice President, regional programs, and Economics Editor*; Helen O'D. Koshy and Han Y. Choi, *Editors*; Rita Molloy and Julia Baker, *Production Editors*; Sheila A. Mangler, *Editorial Assistant*.

Chicago Fed Letter is published by the Economic Research Department of the Federal Reserve Bank of Chicago. The views expressed are the authors' and do not necessarily reflect the views of the Federal Reserve Bank of Chicago or the Federal Reserve System.

© 2014 Federal Reserve Bank of Chicago
Chicago Fed Letter articles may be reproduced in whole or in part, provided the articles are not reproduced or distributed for commercial gain and provided the source is appropriately credited. Prior written permission must be obtained for any other reproduction, distribution, republication, or creation of derivative works of *Chicago Fed Letter* articles. To request permission, please contact Helen Koshy, senior editor, at 312-322-5830 or email Helen.Koshy@chi.frb.org. *Chicago Fed Letter* and other Bank publications are available at www.chicagofed.org.

ISSN 0895-0164

[1] For more details on Detroit's bankruptcy filing, see www.chicagofed.org/webpages/publications/chicago_fed_letter/2013/november_316.cfm.

[2] Other research has found the tendency of state governments to cut local government aid during times of economic stress; see, e.g., http://publius.oxfordjournals.org/content/early/2013/11/17/publius.pjt039.full (available by subscription).

[3] See table 1 on p. 2 of www.census.gov/prod/cen2010/briefs/c2010br-01.pdf.

[4] Author's calculations based on data from the U.S. Census Bureau.

[5] Ibid.

[6] See exhibit 3 on p. 8 of www.michigan.gov/documents/treasury/SalesUseTaxReport2012_432538_7.pdf.

[7] See p. 9 of http://sites.udel.edu/ninadavid/files/2013/09/POLICY-STUDIO-CONSTITUTIONAL-REVENUE-SHARING-REPORT-FINAL-SEPT-2012.pdf.

[8] See www.legislature.mi.gov/(S(e04gak55sqo4h455o5bbamvb))/mileg.aspx?page=getObject&objectName=mcl-Article-IX-10.

[9] Ibid.

[10] See www.mi.gov/treasury/0,1607,7-121-1751_2197-5658--,00.html.

[11] For the fiscal year (FY) 1999 statutory revenue sharing formula, see www.michigan.gov/treasury/0,4679,7-121-1751_2197-5658--,00.html. Michigan's statutory revenue sharing formula was frozen in FY2001 because of the recession back then. Over the period FY2001–10, local governments' statutory revenue sharing payment was based on their 2000 receipt of statutory revenue sharing funds plus Michigan's state budget; see 24th slide of www.crcmich.org/PUBLICAT/2010s/2012/EMU_USRS_History_01-31-12.pdf.

[12] Author's calculations based on data from www.michigan.gov/documents/ActualEstPayments_3018_7.pdf?20130801162626.

[13] See www.plantemoran.com/perspectives/articles/2014/Pages/evip-update-and-tif-reimbursement-reporting-deadline.aspx and www.michigan.gov/documents/treasury/Detailed_Guidance_FY15_CVT_468245_7.pdf.

[14] See www.chicagofed.org/digital_assets/publications/chicago_fed_letter/2004/cfljune2004_203.pdf.

[15] The Seventh District comprises all of Iowa and most of Illinois, Indiana, Michigan, and Wisconsin.

[16] See www.crcmich.org/PUBLICAT/2010s/2012/sbn2012-03.html.

[17] See note 5 on last page of www.michigan.gov/documents/fy01_sec_30_report_34917_7.pdf.

[18] See http://crcmich.org/TaxOutline/index.html and www.michigantownships.org/revenue_sources.asp. While the Headlee Amendment has limited local revenue-raising powers, it does set state revenue and spending limits and prohibits the state from reducing its share of aid to local governments below a certain threshold or from shifting a tax burden to them; see www.mackinac.org/5574.

[19] Pew Charitable Trusts, 2012, "The local squeeze: Falling revenues and growing demand for services challenge cities, counties, and school districts," report, Washington, DC, June; and www.lincolninst.edu/subcenters/significant-features-property-tax/Report_State_Summaries.aspx.

[20] See http://legislature.mi.gov/doc.aspx?mcl-Article-IX-31.

[21] See p. 512 of http://ippsr.msu.edu/publications/SOSSGrowth.pdf. Also, the Headlee Amendment states that property taxes cannot increase annually by more than 5% or the inflation rate, whichever is less; see www.mml.org/resources/publications/one_pagers/opp_headlee_override.pdf.

[22] See www.clinton-county.org/Departments/Equalization/ProposalATaxableValueDecliningRealEstate.aspx.

[23] For further details on Proposal A, see www.michigan.gov/documents/propa_3172_7.pdf.

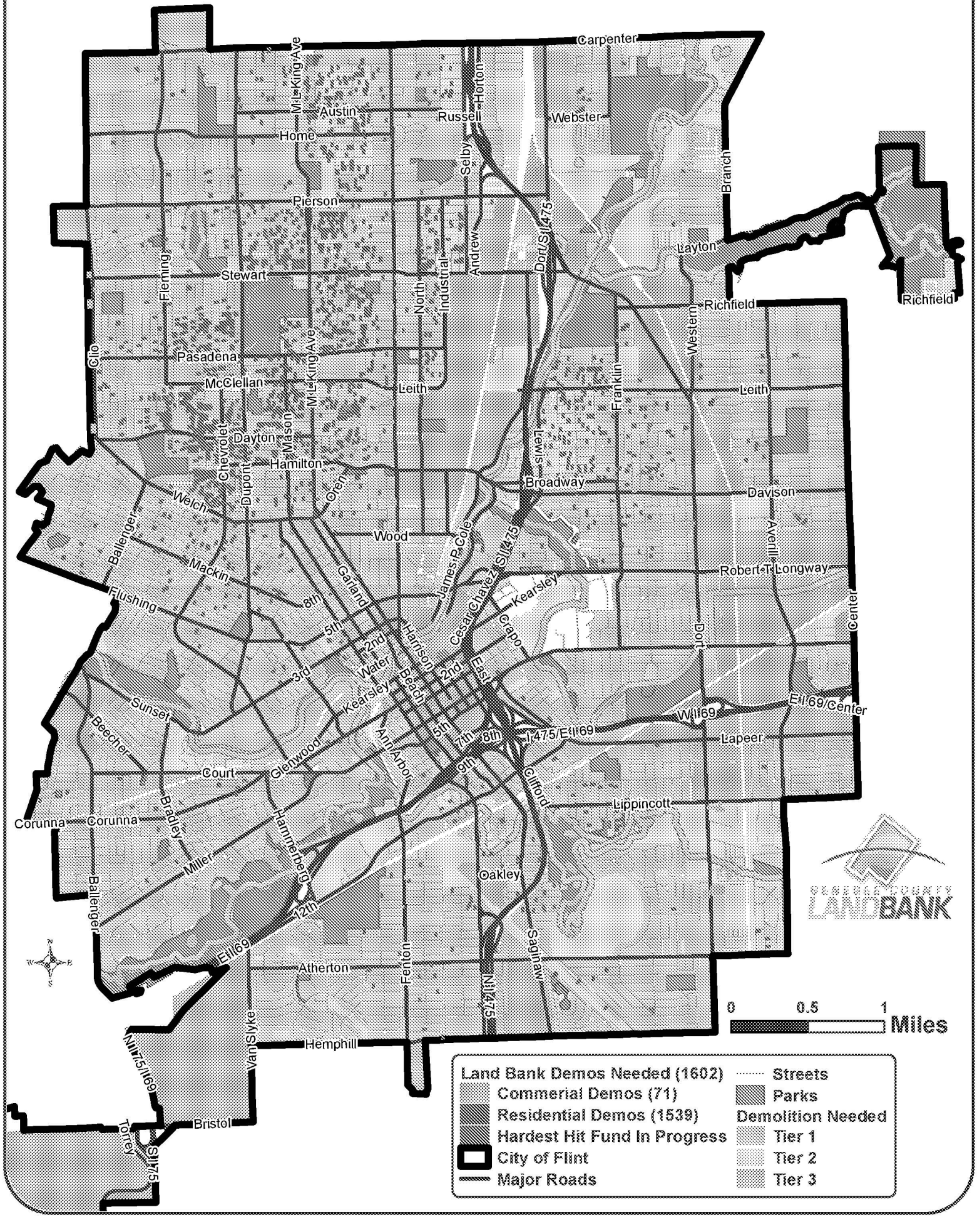
[24] See www.freep.com/article/20140203/NEWS06/302030053/Snyder-education-funding-increase-Michigan.

Demo Request of MSHDA: Flint Eligibility Status **Nov. 26, 2014**

Last October, the City of Flint adopted its first Master Plan since 1960. On the heels of the adoption, the City began development of a blight elimination framework, which prioritizes blight elimination activities based upon the new land use or "place types" in the Master Plan. This framework has gotten widespread community support with the goal of eliminating blight within the City in five years. Businesses, institutions, and residents are already pledging their support to help eliminate blight whether it is vacant lot maintenance or residential rehabilitation. Still the largest cost continues to be demolition and will require significant governmental resources.

Given the significant challenges Flint faces due to extreme population loss over several decades, we are **requesting that the City is considered for additional MSHDA resources for demolition**. Even after the Hardest Hit Fund and Michigan Blight Elimination Grant are expended completing a total of 2,037 demolitions, the City will have an additional 6,000 properties in need of demolition. Of these properties, 1610 properties will come to the Land Bank on January 1, 2015 (see map of properties attached). We are also working on code enforcement of privately held properties in need of demolition, which tend to impact our "tipping point" neighborhoods more dramatically. As we work through the code enforcement process, these properties are increasingly being transferred to the Land Bank. Thus, the 1610 properties in need of demolition will go up.

Current Demolition Needed by Place Type



Demolition Update for Flint, Michigan – November 2014

Flint's current administrative capacity and its data-driven blight elimination strategy leave it opportunistically poised for continuing to successfully removing blight through demolition.

The City of Flint and the Genesee County Land Bank (GCLBA) have led demolition in Flint over the last ten years through a strong partnership. Together, the two demolished more than 4,000 blighted structures in Flint through the year 2013. Over the last eighteen months this capacity for administering demolition has greatly increased. The GCLBA is successfully administering $26.41 million of funding for demolition in Flint, which will remove more than 2,000 blighted structures in record time.

In 2014 the City of Flint released *Beyond Blight: City of Flint Comprehensive Blight Elimination Framework.* This data-driven Framework quantifies the scale of blight in Flint today, identifies roles and responsibilities for a collaborative approach, and provides priorities and strategies for eliminating blight in Flint in alignment with the City's new Master Plan. The Framework includes a five-year demolition strategy. The Framework and its demolition strategy have been touted as models for approaching and prioritizing blight elimination broadly, and demolition specifically.

Figure 1: Place-Based Demolition in Flint, Michigan

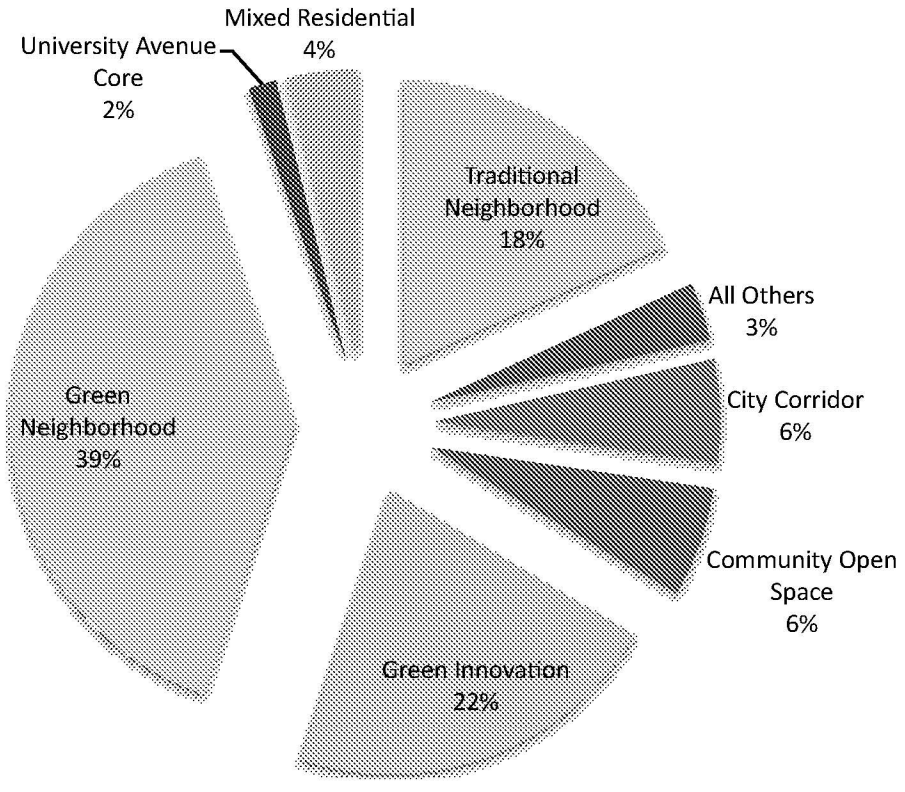
Place Type	Structures in Need of Demolition			Cost of Needed Demolition		
	Residential	Commercial	Total	Residential	Commercial	Total
TIER 1						
Neighborhood Center	16	14	30	$160,000	$700,000	$860,000
Traditional Neighborhood	690	124	814	$6,900,000	$6,200,000	$13,100,000
Green Neighborhood	2049	156	2205	$20,490,000	$7,800,000	$28,290,000
Mixed Residential	201	16	217	$2,010,000	$800,000	$2,810,000
University Avenue Core	67	9	76	$670,000	$450,000	$1,120,000
City Corridor	228	38	266	$2,280,000	$1,900,000	$4,180,000
TIER 2						
Green Innovation	1381	35	1416	$13,810,000	$1,750,000	$15,560,000
Community O&S	357	18	375	$3,570,000	$900,000	$4,470,000
TIER 3						
Downtown	6	9	15	$60,000	$450,000	$510,000
Commerce & E	33	13	46	$330,000	$650,000	$980,000
Production	0	0	0	$0	$0	$0
TOTAL	**5028**	**432**	**5460**	**$50,280,000**	**$21,600,000**	**$71,880,000**

<u>Demolition in Hardest Hit Fund Areas</u>

- Demolition in the Hardest Hit Fund areas aligns with the top priorities of Flint's Blight Elimination Framework. These areas comprise a subset of the Tier 1 areas in the table above. More specifically, Hardest Hit Fund areas include Neighborhood Centers, the vast majority of Traditional Neighborhoods, Green Neighborhoods with greater occupancy, the majority of Mixed Residential areas, the University Avenue Core, and the majority of City Corridors.
- Given the recent large investment in the Hardest Hit Fund areas, remaining blighted structures in these areas are the first priority for demolition.
    - $30,720,000 needed to remove all blighted structures in Hardest Hit Fund areas.
    - $8,860,000 needed to demolish 662 (606 residential and 56 commercial) remaining blighted Land Bank structures in the Hardest Hit Fund areas, including structures the Land Bank will receive on January 1, 2015.
    - $21,850,000 needed to demolish 1,653 (1,520 residential and 133 commercial) remaining blighted structures, privately owned, in the Hardest Hit Fund areas.

DEMOLITION

Five-Year Demolition Needed by Place Type



4,000
residential structures demolished in the last 10 years

1,600
residential structures already funded and scheduled for demolition by spring 2015

17
commercial structures already funded and scheduled for demolition by spring 2015

$10,000 on average to demolish a residential structure

5,028
residential structures in need of demolition in the next five years

1 out of every 8 residential structures in Flint is in need of demolition in the next five years

$71.88 million
to demolish all blighted structures over the next five years

$69.38
gap in funding for demolition

$50,000 on average to demolish a residential structure

432
commercial structures in need of demolition in the next five years

1 out of every 6 commercial structures in Flint is in need of demolition in the next five years

DEMOLITION

Demolition of blighted and dangerous properties within Flint neighborhoods was identified as a top priority during Master Plan community engagement input sessions. In 2013 the Genesee County Land Bank Authority received two grants totaling roughly $23.8 million to demolish blighted residential and commercial structures, the vast majority of which are located in Flint. Accordingly, roughly 1,600 blighted structures will be demolished between the fall of 2013 and the spring of 2015, according to the guidelines and requirements of the two funding sources. Because the demolition of these properties is funded and under way they are not included in the calculation of needed demolition and are considered demolished moving forward in this framework. There are still approximately 5,028 houses and 432 commercial buildings that will need to be demolished over the next five years at a cost of roughly $71.88 million. Additional expected funding for demolition over the next five years totals only $2.5 million ($500,000 of City of Flint CDBG funding annually), leaving a $69.38 million gap for demolition. Thus, pursuing funding for demolition is a top priority for the next five years. Demolition accounts for 66% of the total cost of removing blight over the next five years. Furthermore, although government agencies will typically take the lead on demolition, partnerships between government and institutions should be created and solidified for a complementary demolition approach.

Collaboration Between Partners

Partner Roles

Residents
Residents should support demolition by reporting both properties in need of demolition and improperly completed demolition projects to local government.

Local Government
Because the vast majority of demolition in Flint is needed for blight removal and not redevelopment, government will lead demolition throughout the city.

Institutions
Institutions such as non-profit organizations, churches, and places of learning and higher education and should support demolition by purchasing and demolishing nearby blighted properties in coordination with government agencies.

Community Groups
Residents should support demolition by reporting both properties in need of demolition and improperly completed demolition projects to local government. Community groups should also share information about demolition efforts with other community members.

Businesses and Developers
Like institutions, businesses and developers can support demolition by purchasing and demolishing nearby blighted properties. While businesses and developers will lead demolition for redevelopment purposes, government will likely support demolition for redevelopment given property values and market conditions in Flint.

DEMOLITION

This chart directs citywide demolition for neighborhood stabilization in Flint by outlining priorities according to place type and depicting the connections between place types, methods, and partners. Place types are organized into three prioritized tiers and are listed in descending order on the left side. Yellow boxes provide descriptions of demolition methods for each tier and its place types. Blue boxes identify responsible partners for each tier and its place types.

Priority Chart for Neighborhood Stabilization

Tier 1: Neighborhood Demolition

Neighborhood Center
Traditional Neighborhood
Green Neighborhood
Mixed Residential
University Avenue Corridor
City Corridor

Demolition of blighted residential and commercial structures in and around Flint neighborhoods. Demolition eligibility depends on property condition, value, and place type location. Generally, properties in poor or structurally deficient condition are considered for demolition.

Local Government with Institutional support

Tier 2: Demolition for Green Reuse

Community Open Space
Green Innovation

Demolition of vacant residential and commercial structures for green re-use.

Local Government

Tier 3: Demolition for Redevelopment

Downtown District
Commerce & Employment Center
Production Center

Demolition of residential and commercial structures for redevelopment and re-use according to place type.

Businesses and Developers with Institutional and Local Government support

DEMOLITION

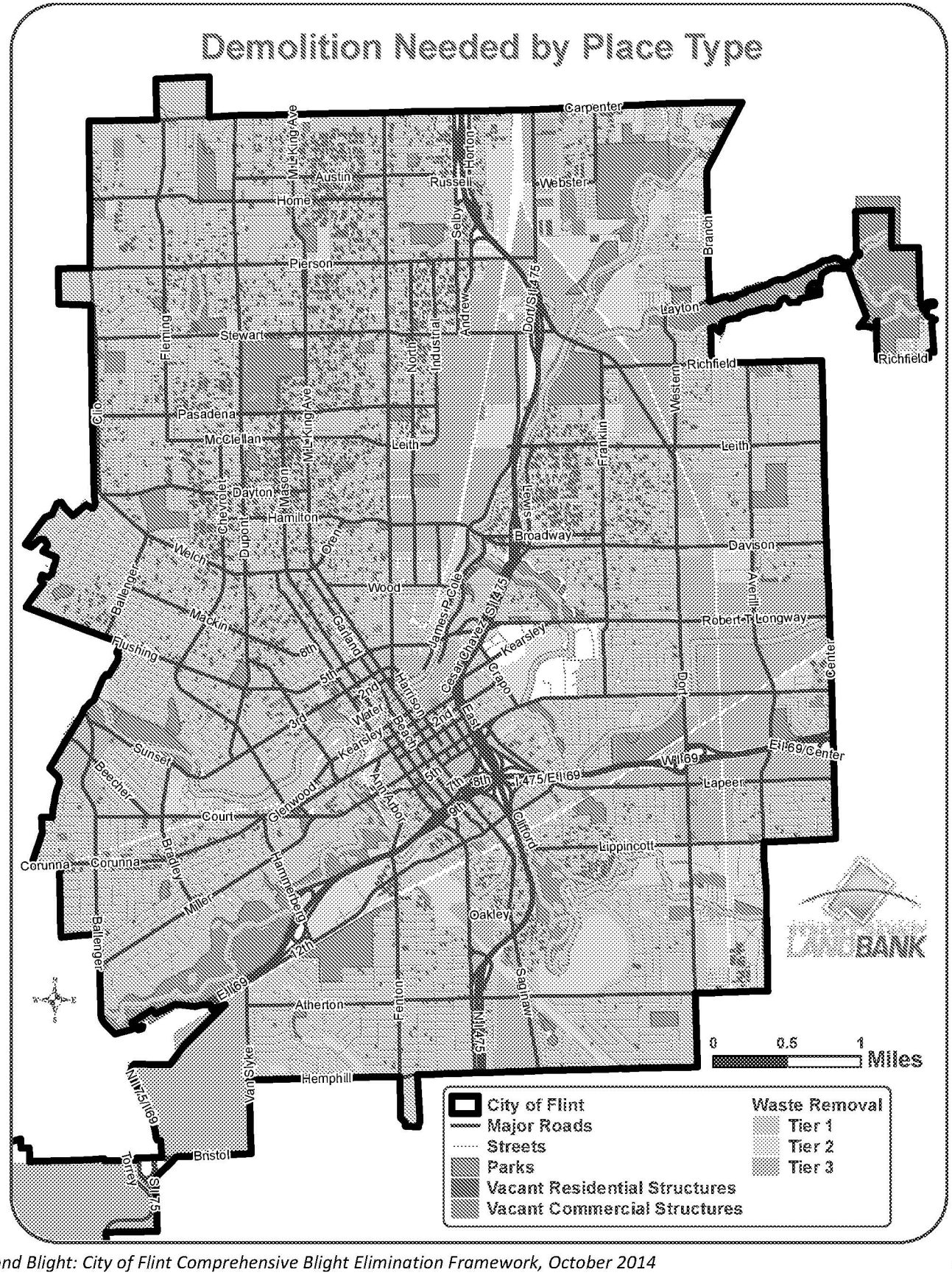
Action Steps and Potential Strategies

- Actively pursue funding for demolition to fill the gap between funding needed to demolish blighted structures over the next five years and funding currently available.
- Develop demolition plans in line with the priority chart and place type descriptions provided in this framework.
- Prioritize demolition within place types according to block-level occupancy. Prioritize demolishing blighted structures on blocks with higher occupancy. See vacancy by block maps for Traditional Neighborhoods on page 62 and Green Neighborhoods on page 66.
- Review and revise demolition infill specifications to reduce future maintenance and infrastructure costs.
- Refrain from boarding vacant properties planned and funded for demolition. Board vacant properties identified for demolition but not funded.
- Ensure collaboration between local government and University Avenue Core institutions. The demolition recently completed by the institutions in the University Ave Core is a leading example of a cross-sector demolition partnership. 93 properties are in need of demolition in this place type: 91 residential and 2 commercial structures costing approximately $1,010,000 total. Plans should be developed with University Avenue Core institutions to complete this demolition over the next five years.
- Direct any deconstruction projects to Green Innovation sites to precede Green Innovation pilot projects.
- Incorporate demolition into an online Problem Property portal (see page X for more details). Consider creating an online demolition-tracking tool.
- Consider establishing a matching fund for demolition whereby private parties (residents, businesses, community organizations, institutions, etc.) can contribute money towards demolition in a particular place type that will be matched by one or more local foundations. Consider a specific request to homeowners in Traditional Neighborhoods. If each homeowner in Traditional Neighborhoods contributed $300 to a matching fund, all residential structures in need of demolition could be demolished in Traditional Neighborhoods.

Five-Year Bench Marks for Blight Elimination

Years 1 and 2	Years 3 and 4	Year 5
• 1,400 blighted residential structures demolished, 25% of the total needed • 98 blighted commercial structures demolished, 25% of the total needed	• 2,800 additional blighted residential structures demolished, completing 75% of the total needed • 196 additional blighted commercial structures demolished, completing 75% of the total needed	• 1,445 additional blighted residential structures demolished, completing 100% of the total needed • 96 additional blighted commercial structures demolished, completing 100% of the total needed

DEMOLITION


Demolition Needed by Place Type
Carpenter
Mt. King Ave
Austin
Russell
Horton
Webster
Home
Selby
Branch
Pierson
Dort/I-475
Leyton
Stewart
Fleming
Andrew
Industrial
Northern
Richfield
Richfield
Western
Clio
Pasadena
McClellan
Mt. King Ave
Leith
Franklin
Leith
Dayton
Chevrolet
Mason
Hamilton
Dupont
Glenn
Lewis
Broadway
Davison
Welch
Wood
Ballenger
Mackin
James P. Cole
I-475
Avenue
Robert T.
Longway
Kearsley
Flushing
8th
Garland
5th
3rd
Harrison
Water
Cesar Chavez
Saginaw
Dort
Center
2nd
Beach
Kearsley
Sunset
Beecher
5th
Walnut
7th
8th
I-475/Ell69
Ell69/Center
Wil69
Lapeer
Court
Glenwood
Abbott
9th
Clifford
Lippincott
Bradley
Corunna
Corunna
Hamilton
Miller
Oakley
Ballenger
12th
Ell69
Atherton
Fenton
Saginaw
I-475
Van Slyke
Hemphill
Bristol
Torrey
I-475
0
0.5
1
Miles
City of Flint
Major Roads
Streets
Parks
Vacant Residential Structures
Vacant Commercial Structures
Waste Removal
Tier 1
Tier 2
Tier 3

From: Clement, Elizabeth (GOV)
Sent: Tuesday, September 10, 2013 4:58 PM
To: Roberts, John (GOV) (robertsj9@michigan.gov); Muchmore, Dennis (GOV) (muchmored@michigan.gov)
Subject: FW: Closing Memorandum
Attachments: Closing Memorandum 091013.pdf

FYI.

From: Michael Brown [mailto:mbrown@cityofflint.com]
Sent: Tuesday, September 10, 2013 4:56 PM
To: Clement, Elizabeth (GOV); Dillon, Andy (Treasury); Workman, Wayne (TREASURY); Koryzno, Edward (Treasury)
Subject: Closing Memorandum

Good afternoon:

Please find attached my Closing Memorandum.

Thank you.

--
Michael K. Brown
Emergency Manager
City of Flint
1101 S. Saginaw Street
Flint, Michigan 48502
810.766.7346 Telephone
810.766.7218 Fax

September 10, 2013

To: Governor Rick Snyder, Treasurer Andrew Dillon

From: Michael K. Brown, Emergency Manager, City of Flint

Subject: CLOSING MEMORANDUM

It has been a pleasure for me to serve the citizens of Flint for the past twenty-two months and I thank you for the opportunity to serve as Emergency Manager.

I have worked hard to begin a cultural change to both improve the approach to city government's interaction with citizens and to encourage a wider range of citizen participation. It is important to me that the next generation of leaders (I have called them emerging leaders) not be from the same mold as the old leaders and have the opportunity to assume positions of responsibility as we set a path to the future for Flint. A significant number of my leadership team is comprised of Flint residents who are committed to the future of their city. While this approach has meant that some things may have taken longer to achieve than it might otherwise take, it has been with the realization that *changing the culture of City Hall is imperative if history is not to repeat itself.*

I have also tried to champion citizen participation throughout my tenure as Emergency Manager. Collectively, hundreds of people have been involved: in the Advisory Teams for Public Safety, Infrastructure, Financial, and Legacy issues which I established in January 2012; in the nine ward public meetings held in February-March 2012; in the Police and Fire Protection millage campaign in Fall 2012; and in the Master Planning process which has involved citizen participation in numerous meetings held throughout the City over the past year. I have attached a list of some of these individuals who have worked on my advisory groups and the millage team.

As our regularly submitted reports to the Department of Treasury have documented, we have made substantial progress in putting the city on a path to solvency and resolving the financial emergency. Many achievements are detailed in the latest Financial and Operating Report which was submitted to the Department of Treasury on June 30, 2013. Significant achievements over the past twenty-two months include:

A. Financial
    1. Developing, adopting and operating with a balanced budget for FY13 - the first time in seven years that the City of Flint has lived within a balanced budget.

    2. Significantly improving the City's cash flow - More than $40 million in cash on hand as of September 2, 2013 is significantly better than the approximate $10 million on hand in December 2011. The $10 million in cash at that time was due primarily to an $8 million loan from the state in the form of Fiscal Stabilization Bonds.

    3. Significantly reducing Other Post Employment Benefits (OPEB) liabilities by more than $500 million – a 60% reduction. Not only have we significantly reduced legacy costs by more than 60%, we also have a plan for further reducing legacy costs, as detailed in recent presentations to the Department of Treasury

4. Significantly reducing pension administration costs and improving investment returns by moving administration of the City's pension fund to the Municipal Employees Retirement Fund, while also changing the structure of future pension benefits which will reduce future pension liabilities

5. Developing a plan for and implementing a reduction in the City's $19.1 million deficit ahead of schedule. At the end of FY12, we presented a plan to the State Treasurer for eliminating the $19.1 million deficit within 5 years. Based on preliminary year end results for FY13, we are ahead of the scheduled reduction since it appears that FY 13 will end with a surplus of revenues over expenses by approximately $3 million. This will likely reduce the $19.1 million deficit to the $16 million range. Had the Department of Treasury authorized the borrowing of $12 million as contained in the approved FY12 Deficit Elimination Plan, the remaining deficit would now be closer to $4 million.

6. Developing a five year financial projection which maps out the continuing financial challenges Flint will face, regardless of who is in charge. With FY 14 balanced and adopted, development of the FY15 budget – which will without doubt be the most challenging of the next few years – is underway. In the process of developing the multi-year projection, it has also become clear that the path for Flint's financial solvency will require additional sources of revenue in addition to further reductions in legacy costs. We have identified a path for further reductions in legacy costs, and we have also identified an increase in the local income tax as the most promising and realistic source of new revenue. Unfortunately the Treasurer has not supported that initiative.

7. Stabilizing Police and Fire Protection revenue. Since being appointed in 2011, it has been clear that the stabilization and enhancement of public safety is the top priority in the City of Flint. Many steps have been taken to achieve this, including securing voter approval of a 6 mill property tax increase by a margin of 57% to 43%. Additionally, by ordinance the City must now appropriate no less than 55.5% of General Fund revenues for Police and Fire budgets. The FY 14 budget dedicates more than 60% of General Fund revenues to these purposes, and exceeds 80% when 9-1-1 and District Court funding is included. As a result, staffing for police and fire personnel was maintained at current levels in spite of the significant staffing reductions necessary to balance both the FY13 and FY14 budgets. Unfortunately, without a new source of revenue in FY15, it is unlikely that can continue.

8. Resolving Federal Government liabilities - More than $7 million in questioned grant costs prior to the EM's appointment in December 2011 have been resolved – as documented by the OIG report and HUD findings.

9. Reorganizing City operations – The City workforce has been reduced by more than 25% as the City has faced its financial challenges. Doing so while still providing for the delivery of city services has required restructuring work processes and organizational alignments, as well as the increased use of technology. These changes have been made in the context of a newly developed strategic plan which identifies the key functions and objectives of the City.

B. Public Safety
   1. Opening of the Flint Lock-up. The lock-up opened the week of October 1, 2012. Public Safety Director Lock recommended selection of the Genesee County Sheriff as the operator of the Flint lock-up. Lock also recommended that the lock-up be made available to all policing agencies operating within

Genesee County for warrants and fresh charges, both felony and misdemeanor. Well over one thousand outstanding warrants are being cleared each month. This funding by the State has been very much appreciated and very beneficial to the City.

2. Creating the Criminal Justice System Advisory Council chaired by Chief Judge Richard Yuille. In September 2012 the first meeting of the Criminal Justice System Advisory Council (CJSAC) was held. Eight workgroups were established. Through these work groups a number of cooperative projects, streamlined operations and new collaborations have been identified and numerous projects continue to move forward.

3. Completing the transition to 800 MHz public safety communications system. All Public Safety departments were operational on the 800 MHz communications system in December of 2012. Flint Public Safety is now compatible with the communications system used throughout Genesee County and with the Michigan State Police.

4. Securing public safety grants totaling over $11 million (not including State funded Lock-up). A $6.9 million SAFER grant to employ thirty-nine firefighters for two years was received in May 2012. The Mott Foundation has granted the City over $1.8 million for several public safety initiatives. The Treasurer's Office through the C-GAP funding awarded the City $1.8 million to construct a 9-1-1 simulcast communications tower in April 2013. Homeland Security awarded Flint a total of $615,000 for 9-1-1 console upgrades and purchase of new radios for the 800 MHZ transition.

5. Up-grading Police Department technology to improve data-driven decision making and capability for overall communications with Law Enforcement agencies at all levels of government. The Mott Foundation funded MSU Training & Technical Assistance Team conducted a technology audit which provided a road map of upgrades necessary to ensure that officers and firefighters can take maximum advantage of the tools already provided to them. New World Systems, Flint's records management system, required server and switch upgrades before the New World update could be made. Each of these components has now been completed and the use of the full feature set of New World is being implemented throughout the FPD.

6. Implementing 12 hour shifts for Police Patrol Officers which put more officers on the street and vastly reduced overtime in the department.

7. Taking major steps toward the reconsolidation of the Flint City 9-1-1 with the Genesee County 9-1-1 consortium. The C-GAP grant to build the communications tower will enhance system coverage for the entire County.

8. Improving Public Safety Response Recently compiled statistics for FBI Part One violent crimes show significant improvements have resulted from the implementation of many public safety initiatives. Overall violent crime is down an average of 24% in the first six months of 2013 vs. the first six months of 2012.

C. Infrastructure (this area includes water and sewer, waste collection, roads and streets, bridges, parks, facilities as well as commercial and residential demolition targets and blight in general)

1. Stabilizing funding for water and sewer systems. This enterprise fund plunged from a $60 million dollar positive balance in 2007 to a $23M deficit in 2012. By raising water and sewer rates more than 25%, reorganizations and improving technologies we have been able to stop the bleeding and stabilize funding for the long term.

2. Significantly improving the process and cost of providing the Flint and Genesee County region with water by joining the KWA. Working with the County Drain Commissioner and others, we have begun this long awaited KWA project, which will result in several hundred million dollars in cost decreases to residents and businesses. I want to acknowledge former Emergency Financial Manager Edward Kurtz for his work and detailed analysis which brought this complicated process to a decision point.

3. Reducing costs for Waste Collection and implementing Recycling. By moving to a fee for service and contracting with the private sector waste collection vendor, we eliminated a General Fund subsidy of more than $1 million annually, and for the first time ever we are able to offer city-wide curbside recycling.

4. Finalizing the Smith Village construction project. This housing development project has languished for over ten years, important deadlines were ignored and Flint was in serious difficulty with HUD. Ed Kurtz cleaned up this tangled project, changed developers, and moved this project significantly toward its final steps. Thirty-six residences have been completed, seven have been sold and ten purchase agreements are in process.

5. Updating of City's 50 year old Master Plan Mayor Walling and Chief Planner Megan Hunter have coordinated a city-wide, tremendously inclusive planning effort. Hundreds of Flint citizens have worked on sub-committees, attended visioning sessions and worked hard to develop a plan for a revitalized Flint.

6. Reducing overtime costs in the Utilities division, by implementing new technology and reorganizations. Examples include planned elimination of the solid waste incinerator and electronic monitoring of the Third Ave. Pumping Station.

7. Disposing of unused inventory and facilities. Auctions have been used to eliminate surplus equipment and vehicles while city facilities which are no longer required and which we can not afford to operate are being sold or leased.

8. Contracting management of city golf courses and Senior Centers in order to reduce city costs and still provide access to residents.

Achieving this level of success in twenty-two months has been extremely challenging. Obstacles have arisen from many sources. The team in Flint has taken on each challenge and worked with a single-mindedness to keep Flint on the path to sustainability. We firmly believe that with continued effort, Flint City government can once again become a financially stable organization capable of delivering quality municipal services to it residents, businesses, and visitors. This route will involve continued cost reductions, investments in technology and personnel, and additional sources of revenues. The alternative of bankruptcy is not the right path – it is expensive, time consuming, and the outcome is uncertain.

There are several major issues which are currently on the horizon. The shortage of revenue to balance the FY15 Budget is the primary issue. Public Safety staffing is still at unacceptably low

levels and with current financial conditions it is likely that the number of police officers and firefighters will be reduced in order to achieve a balanced budget. This likelihood is enhanced by the pending expiration of the FEMA SAFER grant which supports the wages and benefits of 39 firefighters.

Blight is an on-going major issue in Flint. We have few resources and blight issues range from unmowed to demolition necessary properties. Flint recently received $20 million in Federal "Hardest Hit" funds to demolish approximately 1600 residences, yet we have 20,000 abandoned homes and hundreds of vacant commercial properties.

There has been disagreement within the community regarding the appointment of an Emergency Manager, about the difficult choices which were made to impose higher water and sewer rates, street lighting assessment and waste collection fees, and about other decisions. Yet, there has been no civil unrest, as threatened by a few voices. There was significant support to increase property taxes in an economically distressed city, because voters saw that this was the right choice for Flint.

With the changes of the magnitude needed to address Flint's conditions, there is no doubt controversy, disagreement, and anger can result. Often, the most vocal represent the fewest number. I have worked with many in the City of Flint who understand the severity of our condition and the scope of effort necessary to address it. If you have questions about the support given for the direction I have taken to restore Flint to financial solvency, I offer the names of the following citizens for you to contact:

1. Sheryl Thompson, former DHS Director
2. Lawrence Moon, CEO Moon Funeral Home
3. Clarence Pierce, CEO Hamilton Community Health Center
4. Tim Herman, CEO Flint Genesee Chamber of Commerce
5. Dick Shaink, President Mott Community College
6. Kenyetta Dotson, local neighborhood activist
7. Diana Kelly, Building Neighborhood Partnerships Coordinator
8. Ravi Yalamanchi, CEO Metro Community Development
9. Ruth Person, Chancellor University of Michigan-Flint
10. Phil Peters, CFO, Charles Stewart Mott Foundation
11. Jamie Gaskin, President, United Way of Genesee County
12. Pastor Rodney Stokes, chair of our public safety millage campaign
13. Pastor Phil Thompson, member of my Advisory Council
14. Pastor George Wilkerson, Chamber of Commerce Staff
15. Steve Landaal, CEO Landaal Packaging
16. John Henry, Executive Director, Flint Institute of Arts
17. Bob Emerson, volunteer adviser
18. Bill White, President Charles Stewart Mott Foundation
19. Judge Judith Fullerton
20. Superintendent Larry Watkins, Flint Community Schools
21. Melanie Gavulic, CEO Hurley Medical Center
22. Donald Kooy, CEO McLaren Health Systems – Flint
23. Edward Kurtz, CEO Baker College Corporation, former EFM (2x)
24. Armando Hernandez, Vice-president Security Credit Union
25. Elizabeth Aderholdt, CEO Genesys Regional Medical Center
26. Duane Miller, COO Flint & Genesee Regional Chamber of Commerce
27. Joe Serra, President Serra Automotive Group
28. Ghassan Saab, Sorensen Gross, Inc.
29. David Hollister, Prima Civitas Foundation, former Mayor of Lansing, MI
30. Philip Hagerman, President and CEO Diplomat Specialty Pharmacy

I have been a member of the Flint community for over thirty-five years. I grew up on the North End in one of the few integrated Flint neighborhoods; my wife and I raised five children, all of whom graduated from the Flint Community Schools. I have served Flint as a Runaway Counselor, Child Care Operator, Red Cross and United Way Director and as an elected official. I have interacted and earned the respect of a broad array of people in Flint. I hear from people all over the City on a regular basis and I have been pleased to receive their constant support and encouragement.

Please know that I will do everything possible to make this transition smooth and successful. We all have to keep our eye on the goal of putting Flint on a path to solvency, safety and regeneration.

CC: Committee Members – Advisory and Millage

Committee Members – Advisory and Millage

Adam Thomason
Armando Hernandez
Dan Cady
Mayor Dayne Walling
Kenyetta Dotson
Tim Herman
Pastor Timothy Stokes
Alicia Kitsuse
Amy Hovey
Christina Kelly
Connie Brauer
Courtney Knox
Deb Loader
Douglas Weiland
Jason Caya
Karen Morris
Lynn Williams
Michael Brady
Raquel Thueme
Sara Rios
Sue Peters
Brian Larkin
Councilman Bryant Nolden
Councilman Dale Weighill
David Hollister
Delrico Lloyd (former Councilman)
Eric Scorsone
Inez Brown (City Clerk)
Councilman Joshua Freeman
Khalfani Stephens
Larry Moon
Phil Peters
Phil Shaltz
Sam Cox
Bob Emerson
Daniel Coffield
Jack Ennest
Paul Wenstrom
Tom Donaldson
Wayne Schaeffer
Barry Wolf
Councilman Bernard Lawler
Diana Kelley
Councilwoman Jackie Poplar
Jerry Boles
Kim Lawrence
Loyst Fletcher
Mark Evans
Mark Heidel
Richard Arnold, MSP
Matthew Bolger, MSP
Councilman Sheldon Neeley
Willie Artis
John Henry
Norm Bryant
Ralph Arellano
Roseanne Heddy
Curt Carlson
Councilman Scott Kincaid
Tom Guise
Tom McCabe
George Wilkinson
Joe Pilara
Marty Seaman
Michael J. Sarginson (former councilman)

From: Clement, Elizabeth (GOV)
Sent: Tuesday, September 10, 2013 5:14 PM
To: Roberts, John (GOV) (robertsj9@michigan.gov); Muchmore, Dennis (GOV) (muchmored@michigan.gov)
Subject: FW: Closing Memorandum
Attachments: Closing Memorandum with Addendum 091013.pdf

I also received this. It has a 2 page addendum that was not included in the version he sent me to pass along to the Governor. You will want to read this one.

From: Michael Brown [mailto:mbrown@cityofflint.com]
Sent: Tuesday, September 10, 2013 4:59 PM
To: Etue, Kriste (MSP); Clement, Elizabeth (GOV); Arnold, Richard (MSP)
Subject: Closing Memorandum

Good afternoon:

Please find attached my Closing Memorandum.

Thank you.

--
Michael K. Brown
Emergency Manager
City of Flint
1101 S. Saginaw Street
Flint, Michigan 48502
810.766.7346 Telephone
810.766.7218 Fax

September 10, 2013

To: Governor Rick Snyder, Treasurer Andrew Dillon

From: Michael K. Brown, Emergency Manager, City of Flint

Subject: CLOSING MEMORANDUM

It has been a pleasure for me to serve the citizens of Flint for the past twenty-two months and I thank you for the opportunity to serve as Emergency Manager.

I have worked hard to begin a cultural change to both improve the approach to city government's interaction with citizens and to encourage a wider range of citizen participation. It is important to me that the next generation of leaders (I have called them emerging leaders) not be from the same mold as the old leaders and have the opportunity to assume positions of responsibility as we set a path to the future for Flint. A significant number of my leadership team is comprised of Flint residents who are committed to the future of their city. While this approach has meant that some things may have taken longer to achieve than it might otherwise take, it has been with the realization that *changing the culture of City Hall is imperative if history is not to repeat itself.*

I have also tried to champion citizen participation throughout my tenure as Emergency Manager. Collectively, hundreds of people have been involved: in the Advisory Teams for Public Safety, Infrastructure, Financial, and Legacy issues which I established in January 2012; in the nine ward public meetings held in February-March 2012; in the Police and Fire Protection millage campaign in Fall 2012; and in the Master Planning process which has involved citizen participation in numerous meetings held throughout the City over the past year. I have attached a list of some of these individuals who have worked on my advisory groups and the millage team.

As our regularly submitted reports to the Department of Treasury have documented, we have made substantial progress in putting the city on a path to solvency and resolving the financial emergency. Many achievements are detailed in the latest Financial and Operating Report which was submitted to the Department of Treasury on June 30, 2013. Significant achievements over the past twenty-two months include:

A. Financial
    1. Developing, adopting and operating with a balanced budget for FY13 - the first time in seven years that the City of Flint has lived within a balanced budget.

    2. Significantly improving the City's cash flow - More than $40 million in cash on hand as of September 2, 2013 is significantly better than the approximate $10 million on hand in December 2011. The $10 million in cash at that time was due primarily to an $8 million loan from the state in the form of Fiscal Stabilization Bonds.

    3. Significantly reducing Other Post Employment Benefits (OPEB) liabilities by more than $500 million – a 60% reduction. Not only have we significantly reduced legacy costs by more than 60%, we also have a plan for further reducing legacy costs, as detailed in recent presentations to the Department of Treasury

4. Significantly reducing pension administration costs and improving investment returns by moving administration of the City's pension fund to the Municipal Employees Retirement Fund, while also changing the structure of future pension benefits which will reduce future pension liabilities

5. Developing a plan for and implementing a reduction in the City's $19.1 million deficit ahead of schedule. At the end of FY12, we presented a plan to the State Treasurer for eliminating the $19.1 million deficit within 5 years. Based on preliminary year end results for FY13, we are ahead of the scheduled reduction since it appears that FY 13 will end with a surplus of revenues over expenses by approximately $3 million. This will likely reduce the $19.1 million deficit to the $16 million range. Had the Department of Treasury authorized the borrowing of $12 million as contained in the approved FY12 Deficit Elimination Plan, the remaining deficit would now be closer to $4 million.

6. Developing a five year financial projection which maps out the continuing financial challenges Flint will face, regardless of who is in charge. With FY 14 balanced and adopted, development of the FY15 budget – which will without doubt be the most challenging of the next few years – is underway. In the process of developing the multi-year projection, it has also become clear that the path for Flint's financial solvency will require additional sources of revenue in addition to further reductions in legacy costs. We have identified a path for further reductions in legacy costs, and we have also identified an increase in the local income tax as the most promising and realistic source of new revenue. Unfortunately the Treasurer has not supported that initiative.

7. Stabilizing Police and Fire Protection revenue. Since being appointed in 2011, it has been clear that the stabilization and enhancement of public safety is the top priority in the City of Flint. Many steps have been taken to achieve this, including securing voter approval of a 6 mill property tax increase by a margin of 57% to 43%. Additionally, by ordinance the City must now appropriate no less than 55.5% of General Fund revenues for Police and Fire budgets. The FY 14 budget dedicates more than 60% of General Fund revenues to these purposes, and exceeds 80% when 9-1-1 and District Court funding is included. As a result, staffing for police and fire personnel was maintained at current levels in spite of the significant staffing reductions necessary to balance both the FY13 and FY14 budgets. Unfortunately, without a new source of revenue in FY15, it is unlikely that can continue.

8. Resolving Federal Government liabilities - More than $7 million in questioned grant costs prior to the EM's appointment in December 2011 have been resolved – as documented by the OIG report and HUD findings.

9. Reorganizing City operations – The City workforce has been reduced by more than 25% as the City has faced its financial challenges. Doing so while still providing for the delivery of city services has required restructuring work processes and organizational alignments, as well as the increased use of technology. These changes have been made in the context of a newly developed strategic plan which identifies the key functions and objectives of the City.

B. Public Safety

1. Opening of the Flint Lock-up. The lock-up opened the week of October 1, 2012. Public Safety Director Lock recommended selection of the Genesee County Sheriff as the operator of the Flint lock-up. Lock also recommended that the lock-up be made available to all policing agencies operating within

Genesee County for warrants and fresh charges, both felony and misdemeanor. Well over one thousand outstanding warrants are being cleared each month. This funding by the State has been very much appreciated and very beneficial to the City.

2. Creating the Criminal Justice System Advisory Council chaired by Chief Judge Richard Yuille. In September 2012 the first meeting of the Criminal Justice System Advisory Council (CJSAC) was held. Eight workgroups were established. Through these work groups a number of cooperative projects, streamlined operations and new collaborations have been identified and numerous projects continue to move forward.

3. Completing the transition to 800 MHz public safety communications system. All Public Safety departments were operational on the 800 MHz communications system in December of 2012. Flint Public Safety is now compatible with the communications system used throughout Genesee County and with the Michigan State Police.

4. Securing public safety grants totaling over $11 million (not including State funded Lock-up). A $6.9 million SAFER grant to employ thirty-nine firefighters for two years was received in May 2012. The Mott Foundation has granted the City over $1.8 million for several public safety initiatives. The Treasurer's Office through the C-GAP funding awarded the City $1.8 million to construct a 9-1-1 simulcast communications tower in April 2013. Homeland Security awarded Flint a total of $615,000 for 9-1-1 console upgrades and purchase of new radios for the 800 MHZ transition.

5. Up-grading Police Department technology to improve data-driven decision making and capability for overall communications with Law Enforcement agencies at all levels of government. The Mott Foundation funded MSU Training & Technical Assistance Team conducted a technology audit which provided a road map of upgrades necessary to ensure that officers and firefighters can take maximum advantage of the tools already provided to them. New World Systems, Flint's records management system, required server and switch upgrades before the New World update could be made. Each of these components has now been completed and the use of the full feature set of New World is being implemented throughout the FPD.

6. Implementing 12 hour shifts for Police Patrol Officers which put more officers on the street and vastly reduced overtime in the department.

7. Taking major steps toward the reconsolidation of the Flint City 9-1-1 with the Genesee County 9-1-1 consortium. The C-GAP grant to build the communications tower will enhance system coverage for the entire County.

8. Improving Public Safety Response Recently compiled statistics for FBI Part One violent crimes show significant improvements have resulted from the implementation of many public safety initiatives. Overall violent crime is down an average of 24% in the first six months of 2013 vs. the first six months of 2012.

C. Infrastructure (this area includes water and sewer, waste collection, roads and streets, bridges, parks, facilities as well as commercial and residential demolition targets and blight in general)

1. Stabilizing funding for water and sewer systems. This enterprise fund plunged from a $60 million dollar positive balance in 2007 to a $23M deficit in 2012. By raising water and sewer rates more than 25%, reorganizations and improving technologies we have been able to stop the bleeding and stabilize funding for the long term.

2. Significantly improving the process and cost of providing the Flint and Genesee County region with water by joining the KWA. Working with the County Drain Commissioner and others, we have begun this long awaited KWA project, which will result in several hundred million dollars in cost decreases to residents and businesses. I want to acknowledge former Emergency Financial Manager Edward Kurtz for his work and detailed analysis which brought this complicated process to a decision point.

3. Reducing costs for Waste Collection and implementing Recycling. By moving to a fee for service and contracting with the private sector waste collection vendor, we eliminated a General Fund subsidy of more than $1 million annually, and for the first time ever we are able to offer city-wide curbside recycling.

4. Finalizing the Smith Village construction project. This housing development project has languished for over ten years, important deadlines were ignored and Flint was in serious difficulty with HUD. Ed Kurtz cleaned up this tangled project, changed developers, and moved this project significantly toward its final steps. Thirty-six residences have been completed, seven have been sold and ten purchase agreements are in process.

5. Updating of City's 50 year old Master Plan Mayor Walling and Chief Planner Megan Hunter have coordinated a city-wide, tremendously inclusive planning effort. Hundreds of Flint citizens have worked on sub-committees, attended visioning sessions and worked hard to develop a plan for a revitalized Flint.

6. Reducing overtime costs in the Utilities division, by implementing new technology and reorganizations. Examples include planned elimination of the solid waste incinerator and electronic monitoring of the Third Ave. Pumping Station.

7. Disposing of unused inventory and facilities. Auctions have been used to eliminate surplus equipment and vehicles while city facilities which are no longer required and which we can not afford to operate are being sold or leased.

8. Contracting management of city golf courses and Senior Centers in order to reduce city costs and still provide access to residents.

Achieving this level of success in twenty-two months has been extremely challenging. Obstacles have arisen from many sources. The team in Flint has taken on each challenge and worked with a single-mindedness to keep Flint on the path to sustainability. We firmly believe that with continued effort, Flint City government can once again become a financially stable organization capable of delivering quality municipal services to it residents, businesses, and visitors. This route will involve continued cost reductions, investments in technology and personnel, and additional sources of revenues. The alternative of bankruptcy is not the right path – it is expensive, time consuming, and the outcome is uncertain.

There are several major issues which are currently on the horizon. The shortage of revenue to balance the FY15 Budget is the primary issue. Public Safety staffing is still at unacceptably low

levels and with current financial conditions it is likely that the number of police officers and firefighters will be reduced in order to achieve a balanced budget. This likelihood is enhanced by the pending expiration of the FEMA SAFER grant which supports the wages and benefits of 39 firefighters.

Blight is an on-going major issue in Flint. We have few resources and blight issues range from unmowed to demolition necessary properties. Flint recently received $20 million in Federal "Hardest Hit" funds to demolish approximately 1600 residences, yet we have 20,000 abandoned homes and hundreds of vacant commercial properties.

There has been disagreement within the community regarding the appointment of an Emergency Manager, about the difficult choices which were made to impose higher water and sewer rates, street lighting assessment and waste collection fees, and about other decisions. Yet, there has been no civil unrest, as threatened by a few voices. There was significant support to increase property taxes in an economically distressed city, because voters saw that this was the right choice for Flint.

With the changes of the magnitude needed to address Flint's conditions, there is no doubt controversy, disagreement, and anger can result. Often, the most vocal represent the fewest number. I have worked with many in the City of Flint who understand the severity of our condition and the scope of effort necessary to address it. If you have questions about the support given for the direction I have taken to restore Flint to financial solvency, I offer the names of the following citizens for you to contact:

1. Sheryl Thompson, former DHS Director
2. Lawrence Moon, CEO Moon Funeral Home
3. Clarence Pierce, CEO Hamilton Community Health Center
4. Tim Herman, CEO Flint Genesee Chamber of Commerce
5. Dick Shaink, President Mott Community College
6. Kenyetta Dotson, local neighborhood activist
7. Diana Kelly, Building Neighborhood Partnerships Coordinator
8. Ravi Yalamanchi, CEO Metro Community Development
9. Ruth Person, Chancellor University of Michigan-Flint
10. Phil Peters, CFO, Charles Stewart Mott Foundation
11. Jamie Gaskin, President, United Way of Genesee County
12. Pastor Rodney Stokes, chair of our public safety millage campaign
13. Pastor Phil Thompson, member of my Advisory Council
14. Pastor George Wilkerson, Chamber of Commerce Staff
15. Steve Landaal, CEO Landaal Packaging
16. John Henry, Executive Director, Flint Institute of Arts
17. Bob Emerson, volunteer adviser
18. Bill White, President Charles Stewart Mott Foundation
19. Judge Judith Fullerton
20. Superintendent Larry Watkins, Flint Community Schools
21. Melanie Gavulic, CEO Hurley Medical Center
22. Donald Kooy, CEO McLaren Health Systems – Flint
23. Edward Kurtz, CEO Baker College Corporation, former EFM (2x)
24. Armando Hernandez, Vice-president Security Credit Union
25. Elizabeth Aderholdt, CEO Genesys Regional Medical Center
26. Duane Miller, COO Flint & Genesee Regional Chamber of Commerce
27. Joe Serra, President Serra Automotive Group
28. Ghassan Saab, Sorensen Gross, Inc.
29. David Hollister, Prima Civitas Foundation, former Mayor of Lansing, MI
30. Philip Hagerman, President and CEO Diplomat Specialty Pharmacy

I have been a member of the Flint community for over thirty-five years. I grew up on the North End in one of the few integrated Flint neighborhoods; my wife and I raised five children, all of whom graduated from the Flint Community Schools. I have served Flint as a Runaway Counselor, Child Care Operator, Red Cross and United Way Director and as an elected official. I have interacted and earned the respect of a broad array of people in Flint. I hear from people all over the City on a regular basis and I have been pleased to receive their constant support and encouragement.

Please know that I will do everything possible to make this transition smooth and successful. We all have to keep our eye on the goal of putting Flint on a path to solvency, safety and regeneration.

CC: Committee Members – Advisory and Millage

Committee Members – Advisory and Millage

Adam Thomason
Armando Hernandez
Dan Cady
Mayor Dayne Walling
Kenyetta Dotson
Tim Herman
Pastor Timothy Stokes
Alicia Kitsuse
Amy Hovey
Christina Kelly
Connie Brauer
Courtney Knox
Deb Loader
Douglas Weiland
Jason Caya
Karen Morris
Lynn Williams
Michael Brady
Raquel Thueme
Sara Rios
Sue Peters
Brian Larkin
Councilman Bryant Nolden
Councilman Dale Weighill
David Hollister
Delrico Lloyd (former Councilman)
Eric Scorsone
Inez Brown (City Clerk)
Councilman Joshua Freeman
Khalfani Stephens
Larry Moon
Phil Peters
Phil Shaltz
Sam Cox
Bob Emerson
Daniel Coffield
Jack Ennest
Paul Wenstrom
Tom Donaldson
Wayne Schaeffer
Barry Wolf
Councilman Bernard Lawler
Diana Kelley
Councilwoman Jackie Poplar
Jerry Boles
Kim Lawrence
Loyst Fletcher
Mark Evans
Mark Heidel
Richard Arnold, MSP
Matthew Bolger, MSP
Councilman Sheldon Neeley
Willie Artis
John Henry
Norm Bryant
Ralph Arellano
Roseanne Heddy
Curt Carlson
Councilman Scott Kincaid
Tom Guise
Tom McCabe
George Wilkinson
Joe Pilara
Marty Seaman
Michael J. Sarginson (former councilman)

Redacted

Redacted

From: Clement, Elizabeth (GOV)
Sent: Thursday, September 12, 2013 1:37 PM
To: Hollins, Harvey (GOV)
Subject: Fwd: Closing Memorandum
Attachments: Closing Memorandum with Addendum 091013.pdf; ATT00001.htm

Sent from my iPhone

Begin forwarded message:

> **From:** Michael Brown <mbrown@cityofflint.com>
> **Date:** September 10, 2013, 4:58:55 PM EDT
> **To:** <Etuek@michigan.gov>, <clemente@michigan.gov>, <Arnoldr@michigan.gov>
> **Subject: Closing Memorandum**
>
> Good afternoon:
>
> Please find attached my Closing Memorandum.
>
> Thank you.
>
> --
> Michael K. Brown
> Emergency Manager
> City of Flint
> 1101 S. Saginaw Street
> Flint, Michigan 48502
> 810.766.7346 Telephone
> 810.766.7218 Fax

September 10, 2013

To: Governor Rick Snyder, Treasurer Andrew Dillon

From: Michael K. Brown, Emergency Manager, City of Flint

Subject: CLOSING MEMORANDUM

It has been a pleasure for me to serve the citizens of Flint for the past twenty-two months and I thank you for the opportunity to serve as Emergency Manager.

I have worked hard to begin a cultural change to both improve the approach to city government's interaction with citizens and to encourage a wider range of citizen participation. It is important to me that the next generation of leaders (I have called them emerging leaders) not be from the same mold as the old leaders and have the opportunity to assume positions of responsibility as we set a path to the future for Flint. A significant number of my leadership team is comprised of Flint residents who are committed to the future of their city. While this approach has meant that some things may have taken longer to achieve than it might otherwise take, it has been with the realization that *changing the culture of City Hall is imperative if history is not to repeat itself.*

I have also tried to champion citizen participation throughout my tenure as Emergency Manager. Collectively, hundreds of people have been involved: in the Advisory Teams for Public Safety, Infrastructure, Financial, and Legacy issues which I established in January 2012; in the nine ward public meetings held in February-March 2012; in the Police and Fire Protection millage campaign in Fall 2012; and in the Master Planning process which has involved citizen participation in numerous meetings held throughout the City over the past year. I have attached a list of some of these individuals who have worked on my advisory groups and the millage team.

As our regularly submitted reports to the Department of Treasury have documented, we have made substantial progress in putting the city on a path to solvency and resolving the financial emergency. Many achievements are detailed in the latest Financial and Operating Report which was submitted to the Department of Treasury on June 30, 2013. Significant achievements over the past twenty-two months include:

A. Financial
    1. Developing, adopting and operating with a balanced budget for FY13 - the first time in seven years that the City of Flint has lived within a balanced budget.

    2. Significantly improving the City's cash flow - More than $40 million in cash on hand as of September 2, 2013 is significantly better than the approximate $10 million on hand in December 2011. The $10 million in cash at that time was due primarily to an $8 million loan from the state in the form of Fiscal Stabilization Bonds.

    3. Significantly reducing Other Post Employment Benefits (OPEB) liabilities by more than $500 million – a 60% reduction. Not only have we significantly reduced legacy costs by more than 60%, we also have a plan for further reducing legacy costs, as detailed in recent presentations to the Department of Treasury

4. Significantly reducing pension administration costs and improving investment returns by moving administration of the City's pension fund to the Municipal Employees Retirement Fund, while also changing the structure of future pension benefits which will reduce future pension liabilities

5. Developing a plan for and implementing a reduction in the City's $19.1 million deficit ahead of schedule. At the end of FY12, we presented a plan to the State Treasurer for eliminating the $19.1 million deficit within 5 years. Based on preliminary year end results for FY13, we are ahead of the scheduled reduction since it appears that FY 13 will end with a surplus of revenues over expenses by approximately $3 million. This will likely reduce the $19.1 million deficit to the $16 million range. Had the Department of Treasury authorized the borrowing of $12 million as contained in the approved FY12 Deficit Elimination Plan, the remaining deficit would now be closer to $4 million.

6. Developing a five year financial projection which maps out the continuing financial challenges Flint will face, regardless of who is in charge. With FY 14 balanced and adopted, development of the FY15 budget – which will without doubt be the most challenging of the next few years – is underway. In the process of developing the multi-year projection, it has also become clear that the path for Flint's financial solvency will require additional sources of revenue in addition to further reductions in legacy costs. We have identified a path for further reductions in legacy costs, and we have also identified an increase in the local income tax as the most promising and realistic source of new revenue. Unfortunately the Treasurer has not supported that initiative.

7. Stabilizing Police and Fire Protection revenue. Since being appointed in 2011, it has been clear that the stabilization and enhancement of public safety is the top priority in the City of Flint. Many steps have been taken to achieve this, including securing voter approval of a 6 mill property tax increase by a margin of 57% to 43%. Additionally, by ordinance the City must now appropriate no less than 55.5% of General Fund revenues for Police and Fire budgets. The FY 14 budget dedicates more than 60% of General Fund revenues to these purposes, and exceeds 80% when 9-1-1 and District Court funding is included. As a result, staffing for police and fire personnel was maintained at current levels in spite of the significant staffing reductions necessary to balance both the FY13 and FY14 budgets. Unfortunately, without a new source of revenue in FY15, it is unlikely that can continue.

8. Resolving Federal Government liabilities - More than $7 million in questioned grant costs prior to the EM's appointment in December 2011 have been resolved – as documented by the OIG report and HUD findings.

9. Reorganizing City operations – The City workforce has been reduced by more than 25% as the City has faced its financial challenges. Doing so while still providing for the delivery of city services has required restructuring work processes and organizational alignments, as well as the increased use of technology. These changes have been made in the context of a newly developed strategic plan which identifies the key functions and objectives of the City.

B. Public Safety

1. Opening of the Flint Lock-up. The lock-up opened the week of October 1, 2012. Public Safety Director Lock recommended selection of the Genesee County Sheriff as the operator of the Flint lock-up. Lock also recommended that the lock-up be made available to all policing agencies operating within

Genesee County for warrants and fresh charges, both felony and misdemeanor. Well over one thousand outstanding warrants are being cleared each month. This funding by the State has been very much appreciated and very beneficial to the City.

2. Creating the Criminal Justice System Advisory Council chaired by Chief Judge Richard Yuille. In September 2012 the first meeting of the Criminal Justice System Advisory Council (CJSAC) was held. Eight workgroups were established. Through these work groups a number of cooperative projects, streamlined operations and new collaborations have been identified and numerous projects continue to move forward.

3. Completing the transition to 800 MHz public safety communications system. All Public Safety departments were operational on the 800 MHz communications system in December of 2012. Flint Public Safety is now compatible with the communications system used throughout Genesee County and with the Michigan State Police.

4. Securing public safety grants totaling over $11 million (not including State funded Lock-up). A $6.9 million SAFER grant to employ thirty-nine firefighters for two years was received in May 2012. The Mott Foundation has granted the City over $1.8 million for several public safety initiatives. The Treasurer's Office through the C-GAP funding awarded the City $1.8 million to construct a 9-1-1 simulcast communications tower in April 2013. Homeland Security awarded Flint a total of $615,000 for 9-1-1 console upgrades and purchase of new radios for the 800 MHZ transition.

5. Up-grading Police Department technology to improve data-driven decision making and capability for overall communications with Law Enforcement agencies at all levels of government. The Mott Foundation funded MSU Training & Technical Assistance Team conducted a technology audit which provided a road map of upgrades necessary to ensure that officers and firefighters can take maximum advantage of the tools already provided to them. New World Systems, Flint's records management system, required server and switch upgrades before the New World update could be made. Each of these components has now been completed and the use of the full feature set of New World is being implemented throughout the FPD.

6. Implementing 12 hour shifts for Police Patrol Officers which put more officers on the street and vastly reduced overtime in the department.

7. Taking major steps toward the reconsolidation of the Flint City 9-1-1 with the Genesee County 9-1-1 consortium. The C-GAP grant to build the communications tower will enhance system coverage for the entire County.

8. Improving Public Safety Response Recently compiled statistics for FBI Part One violent crimes show significant improvements have resulted from the implementation of many public safety initiatives. Overall violent crime is down an average of 24% in the first six months of 2013 vs. the first six months of 2012.

C. Infrastructure (this area includes water and sewer, waste collection, roads and streets, bridges, parks, facilities as well as commercial and residential demolition targets and blight in general)

1. Stabilizing funding for water and sewer systems. This enterprise fund plunged from a $60 million dollar positive balance in 2007 to a $23M deficit in 2012. By raising water and sewer rates more than 25%, reorganizations and improving technologies we have been able to stop the bleeding and stabilize funding for the long term.

2. Significantly improving the process and cost of providing the Flint and Genesee County region with water by joining the KWA. Working with the County Drain Commissioner and others, we have begun this long awaited KWA project, which will result in several hundred million dollars in cost decreases to residents and businesses. I want to acknowledge former Emergency Financial Manager Edward Kurtz for his work and detailed analysis which brought this complicated process to a decision point.

3. Reducing costs for Waste Collection and implementing Recycling. By moving to a fee for service and contracting with the private sector waste collection vendor, we eliminated a General Fund subsidy of more than $1 million annually, and for the first time ever we are able to offer city-wide curbside recycling.

4. Finalizing the Smith Village construction project. This housing development project has languished for over ten years, important deadlines were ignored and Flint was in serious difficulty with HUD. Ed Kurtz cleaned up this tangled project, changed developers, and moved this project significantly toward its final steps. Thirty-six residences have been completed, seven have been sold and ten purchase agreements are in process.

5. Updating of City's 50 year old Master Plan Mayor Walling and Chief Planner Megan Hunter have coordinated a city-wide, tremendously inclusive planning effort. Hundreds of Flint citizens have worked on sub-committees, attended visioning sessions and worked hard to develop a plan for a revitalized Flint.

6. Reducing overtime costs in the Utilities division, by implementing new technology and reorganizations. Examples include planned elimination of the solid waste incinerator and electronic monitoring of the Third Ave. Pumping Station.

7. Disposing of unused inventory and facilities. Auctions have been used to eliminate surplus equipment and vehicles while city facilities which are no longer required and which we can not afford to operate are being sold or leased.

8. Contracting management of city golf courses and Senior Centers in order to reduce city costs and still provide access to residents.

Achieving this level of success in twenty-two months has been extremely challenging. Obstacles have arisen from many sources. The team in Flint has taken on each challenge and worked with a single-mindedness to keep Flint on the path to sustainability. We firmly believe that with continued effort, Flint City government can once again become a financially stable organization capable of delivering quality municipal services to it residents, businesses, and visitors. This route will involve continued cost reductions, investments in technology and personnel, and additional sources of revenues. The alternative of bankruptcy is not the right path – it is expensive, time consuming, and the outcome is uncertain.

There are several major issues which are currently on the horizon. The shortage of revenue to balance the FY15 Budget is the primary issue. Public Safety staffing is still at unacceptably low

levels and with current financial conditions it is likely that the number of police officers and firefighters will be reduced in order to achieve a balanced budget. This likelihood is enhanced by the pending expiration of the FEMA SAFER grant which supports the wages and benefits of 39 firefighters.

Blight is an on-going major issue in Flint. We have few resources and blight issues range from unmowed to demolition necessary properties. Flint recently received $20 million in Federal "Hardest Hit" funds to demolish approximately 1600 residences, yet we have 20,000 abandoned homes and hundreds of vacant commercial properties.

There has been disagreement within the community regarding the appointment of an Emergency Manager, about the difficult choices which were made to impose higher water and sewer rates, street lighting assessment and waste collection fees, and about other decisions. Yet, there has been no civil unrest, as threatened by a few voices. There was significant support to increase property taxes in an economically distressed city, because voters saw that this was the right choice for Flint.

With the changes of the magnitude needed to address Flint's conditions, there is no doubt controversy, disagreement, and anger can result. Often, the most vocal represent the fewest number. I have worked with many in the City of Flint who understand the severity of our condition and the scope of effort necessary to address it. If you have questions about the support given for the direction I have taken to restore Flint to financial solvency, I offer the names of the following citizens for you to contact:

1. Sheryl Thompson, former DHS Director
2. Lawrence Moon, CEO Moon Funeral Home
3. Clarence Pierce, CEO Hamilton Community Health Center
4. Tim Herman, CEO Flint Genesee Chamber of Commerce
5. Dick Shaink, President Mott Community College
6. Kenyetta Dotson, local neighborhood activist
7. Diana Kelly, Building Neighborhood Partnerships Coordinator
8. Ravi Yalamanchi, CEO Metro Community Development
9. Ruth Person, Chancellor University of Michigan-Flint
10. Phil Peters, CFO, Charles Stewart Mott Foundation
11. Jamie Gaskin, President, United Way of Genesee County
12. Pastor Rodney Stokes, chair of our public safety millage campaign
13. Pastor Phil Thompson, member of my Advisory Council
14. Pastor George Wilkerson, Chamber of Commerce Staff
15. Steve Landaal, CEO Landaal Packaging
16. John Henry, Executive Director, Flint Institute of Arts
17. Bob Emerson, volunteer adviser
18. Bill White, President Charles Stewart Mott Foundation
19. Judge Judith Fullerton
20. Superintendent Larry Watkins, Flint Community Schools
21. Melanie Gavulic, CEO Hurley Medical Center
22. Donald Kooy, CEO McLaren Health Systems – Flint
23. Edward Kurtz, CEO Baker College Corporation, former EFM (2x)
24. Armando Hernandez, Vice-president Security Credit Union
25. Elizabeth Aderholdt, CEO Genesys Regional Medical Center
26. Duane Miller, COO Flint & Genesee Regional Chamber of Commerce
27. Joe Serra, President Serra Automotive Group
28. Ghassan Saab, Sorensen Gross, Inc.
29. David Hollister, Prima Civitas Foundation, former Mayor of Lansing, MI
30. Philip Hagerman, President and CEO Diplomat Specialty Pharmacy

I have been a member of the Flint community for over thirty-five years. I grew up on the North End in one of the few integrated Flint neighborhoods; my wife and I raised five children, all of whom graduated from the Flint Community Schools. I have served Flint as a Runaway Counselor, Child Care Operator, Red Cross and United Way Director and as an elected official. I have interacted and earned the respect of a broad array of people in Flint. I hear from people all over the City on a regular basis and I have been pleased to receive their constant support and encouragement.

Please know that I will do everything possible to make this transition smooth and successful. We all have to keep our eye on the goal of putting Flint on a path to solvency, safety and regeneration.

CC: Committee Members – Advisory and Millage

Committee Members – Advisory and Millage

Adam Thomason
Armando Hernandez
Dan Cady
Mayor Dayne Walling
Kenyetta Dotson
Tim Herman
Pastor Timothy Stokes
Alicia Kitsuse
Amy Hovey
Christina Kelly
Connie Brauer
Courtney Knox
Deb Loader
Douglas Weiland
Jason Caya
Karen Morris
Lynn Williams
Michael Brady
Raquel Thueme
Sara Rios
Sue Peters
Brian Larkin
Councilman Bryant Nolden
Councilman Dale Weighill
David Hollister
Delrico Lloyd (former Councilman)
Eric Scorsone
Inez Brown (City Clerk)
Councilman Joshua Freeman
Khalfani Stephens
Larry Moon
Phil Peters
Phil Shaltz
Sam Cox
Bob Emerson
Daniel Coffield
Jack Ennest
Paul Wenstrom
Tom Donaldson
Wayne Schaeffer
Barry Wolf
Councilman Bernard Lawler
Diana Kelley
Councilwoman Jackie Poplar
Jerry Boles
Kim Lawrence
Loyst Fletcher
Mark Evans
Mark Heidel
Richard Arnold, MSP
Matthew Bolger, MSP
Councilman Sheldon Neeley
Willie Artis
John Henry
Norm Bryant
Ralph Arellano
Roseanne Heddy
Curt Carlson
Councilman Scott Kincaid
Tom Guise
Tom McCabe
George Wilkinson
Joe Pilara
Marty Seaman
Michael J. Sarginson (former councilman)

Redacted

Redacted

From: Clement, Elizabeth (GOV)
Sent: Tuesday, May 27, 2014 3:39 PM
To: Wisniewski, Wendy (GOV)
Subject: Fwd: Conference Call Agenda May 28, 2014
Attachments: Agenda 052814 Conf Call.pdf; ATT00001.htm

Liz Murphy's contact info is below. She handles Darnell Early's schedule.

Begin forwarded message:

From: "Elizabeth Murphy" <emurphy@cityofflint.com>
To: "Byrne, Randall (Treasury)" <ByrneR1@michigan.gov>, "Kapp, Gene (MSP)" <KappG@michigan.gov>, "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Roberts, John (DTMB)" <RobertsJ9@michigan.gov>, "West, Samantha (GOV)" <WestS2@michigan.gov>, "Dempkowski, Angela (Treasury)" <DempkowskiA@michigan.gov>, "Baird, Richard (GOV)" <bairdr@michigan.gov>, "Larkin, Brian (GOV)" <larkinb@michigan.gov>, "Darnell Earley" <dearley@cityofflint.com>, "Deasy, Thomas (MSP)" <DeasyT@michigan.gov>, "Koryzno, Edward (Treasury)" <KoryznoE@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>, "Elizabeth Murphy" <emurphy@cityofflint.com>, "Etue, Kriste (MSP)" <EtueK@michigan.gov>, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>, "James Tolbert" <jtolbert@cityofflint.com>, "Jerry Ambrose" <gambrose@cityofflint.com>, "Klotz, Josephine (MSP)" <KlotzJ@michigan.gov>, "Lee, Nichole (MSP)" <LeeN3@michigan.gov>, "McGowan, Emmitt (MSP)" <McGowanE1@michigan.gov>, "Sands, Thomas (MSP)" <SandsT@michigan.gov>, "Sipes, Stephen (MSP)" <SipesS@michigan.gov>, "O'Neill, Stephen (MSP)" <ONeillS@michigan.gov>, "Saxton, Thomas (Treasury)" <SaxtonT@michigan.gov>, "Workman, Wayne (TREASURY)" <WorkmanW@michigan.gov>, "Peter Bade" <pbade@cityofflint.com>, "David Cox Jr." <dcoxjr@cityofflint.com>
Subject: Conference Call Agenda May 28, 2014

Good Afternoon,
Please find attached the agenda for the Wednesday, May 28th conference call.

--
Liz Murphy
Assistant to the Emergency Manager
City of Flint
810 237 2025

City of Flint Wednesday 9:00am Phone Conference Agenda
May 28, 2014

Redacted

Redacted

7) **Water Issues**
   a) The City Council met twice to discuss the sale of a 9 mile section of unused pipeline to the GCDC. The City had negotiated a sale price of $3.9 million. Council first voted to reject the sale. A second meeting resulted in a vote to sell the pipe section for $3.9 million but receive the funds in two payments over two fiscal years. It is unknown if the City council made a submission of this proposal to the local emergency financial assistance loan board. Does Flint have Treasury's approval to execute the contract of sale?

Redacted

Redacted

Redacted

Sewer Fund	590	Current FY14	Proposed FY15	Proposed FY16	Projected FY17	Projected FY18	Projected FY19
Revenues		$31,929,269	$30,256,545	$32,346,745	$32,346,745	$32,346,745	$32,346,745
Expenses		$31,929,269	$30,256,545	$32,346,745	$34,809,089	$36,149,143	$37,216,957
Cumulative Gap		$0	$0	$0	($2,462,344)	($5,264,742)	($10,134,954)
Annual Gap		$0	$0	$0	($2,462,344)	($2,802,398)	($4,870,212)
Water Fund	591						
Revenues		$47,896,872	$37,500,000	$37,500,000	$37,500,000	$37,500,000	$37,500,000
Expenses		$47,896,872	$34,503,930	$35,032,250	$38,841,189	$40,741,808	$41,965,725
Cumulative Gap		$0	$2,996,470	$2,467,750	($1,341,189)	($4,583,997)	($8,029,812)
Annual Gap		$0	$0	$0	($1,341,189)	($3,241,808)	($4,445,725)
Water and Sewer	590 & 591						
Revenues		$79,826,141	$67,756,545	$69,846,745	$69,846,745	$69,846,745	$69,846,745
Expenses		$79,826,141	$64,760,075	$67,358,995	$73,450,288	$76,891,049	$79,160,682
Cumulative Gap		$0	$2,996,470	$2,467,750	($3,603,543)	($10,647,847)	($19,961,784)
Annual Gap		$0	$0	$0	($3,603,543)	($7,044,304)	($9,313,937)

Redacted

Redacted

Redacted

			Current FY14	Proposed FY15	Proposed FY16	Projected FY17	Projected FY18	Projected FY19
Sewer Fund		590						
	Retiree Healthcare		$2,329,983	$2,447,566	$2,594,420	$2,750,085	$2,915,090	$3,089,996
	Pension		$2,179,100	$2,040,715	$2,163,159	$2,292,949	$2,430,525	$2,576,357
	Other expenses		$27,420,186	$25,768,264	$27,569,166	$29,666,065	$30,803,527	$31,550,604
	Total		$31,929,269	$30,256,545	$32,346,745	$34,609,099	$36,149,143	$37,216,957
	Healthcare & Pension %		14%	15%	15%	16%	16%	15%
Water Fund		591						
	Retiree Healthcare		$1,680,062	$2,963,588	$3,141,403	$3,329,887	$3,529,680	$3,741,461
	Pension		$1,815,687	$1,803,098	$1,911,284	$2,025,961	$2,147,519	$2,276,370
	Other expenses		$44,401,123	$29,736,844	$29,959,563	$33,485,341	$35,064,707	$35,925,894
	Total		$47,896,872	$34,503,530	$35,012,250	$38,841,189	$40,741,906	$41,943,725
	Healthcare & Pension %		7%	14%	14%	14%	14%	14%
Water and Sewer		**590 & 591**						
	Retiree Healthcare		**$4,010,045**	**$5,411,154**	**$5,735,823**	**$6,079,972**	**$6,444,771**	**$6,831,457**
	Pension		**$3,994,787**	**$3,843,813**	**$4,074,443**	**$4,318,910**	**$4,578,044**	**$4,852,727**
	Other expenses		**$71,821,309**	**$55,505,108**	**$57,548,729**	**$63,051,406**	**$65,868,234**	**$67,476,498**
	Total		**$79,826,141**	**$64,760,075**	**$67,358,995**	**$73,450,288**	**$76,891,049**	**$79,160,682**
	Retiree Healthcare as % of Total Expenses		**5%**	**8%**	**9%**	**8%**	**8%**	**9%**
	Pension as % of Total Expenses		**5%**	**6%**	**6%**	**6%**	**6%**	**6%**
	Healthcare & Pension %		**10%**	**14%**	**15%**	**14%**	**14%**	**15%**

Redacted

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Tuesday, January 06, 2015 3:24 PM
To: Carter, Jerry (MSP); Kapp, Gene (MSP); Muchmore, Dennis (GOV); Roberts, John (DTMB); Dempkowski, Angela (Treasury); Baird, Richard (GOV); Darnell Earley; Deasy, Thomas (MSP); Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Etue, Kriste (MSP); Hollins, Harvey (GOV); Hill, Darryl (MSP); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); Lee, Nichole (MSP); McGowan, Emmitt (MSP); Smith, Paul (GOV); Byrne, Randall (Treasury); Sands, Thomas (MSP); Sipes, Stephen (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY); West, Samantha (GOV)
Subject: Bi-Weekly Conference Call Agenda
Attachments: Conf Call Agenda 010715.pdf

Good afternoon,

Please find attached the agenda for the 9:00 am conference call scheduled for **Wednesday, January 7, 2015.**

Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Darnell Earley, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

City of Flint Wednesday 9:00am Phone Conference Agenda

January 7, 2015 [redacted]

	Last Report	Status

Redacted

Redacted

5) Water Issues

a) MDEQ Violation Notice	Violation notice received 12/16/14 maximum contaminant level for TTHM exceeded. Public notice required. Notices sent out Jan 5, 2015. Most recent readings in compliance.	NEW

	Last Report	Status

Redacted

Redacted

Steps to Prepare for Transition From Emergency Manager to Receivership Transition Advisory Board

Redacted

Steps to Prepare for Transition From Emergency Manager to Receivership Transition Advisory Board

Redacted

Steps to Prepare for Transition From Emergency Manager to Receivership Transition Advisory Board

Redacted

From: Stanton, Terry A. (Treasury)
Sent: Friday, January 30, 2015 1:38 PM
To: Murray, David (GOV); Muchmore, Dennis (GOV); Hollins, Harvey (GOV); Clement, Elizabeth (GOV); Wurfel, Sara (GOV)
Subject: Fwd: FDCVT - Preliminary Press Release Info
Attachments: FDCVT FY 15 - Preliminary Press Release Info 01 29 15.xlsx; ATT00001.htm

Here is the prelim grant spreadsheet.

TS

Begin forwarded message:

> **From:** "Stibitz, Brom (Treasury)" <StibitzB@michigan.gov>
> **Date:** January 30, 2015 at 10:22:36 AM EST
> **To:** "Gelisse, Ashley (TREASURY)" <GelisseA@michigan.gov>
> **Cc:** "Stanton, Terry A. (Treasury)" <StantonT@michigan.gov>
> **Subject: FW: FDCVT - Preliminary Press Release Info**
>
> Do we have any exposure here on grants we have turned down? IE do we have good reasons for the denials?
>
> ---
>
> **From:** Cole, Evah (Treasury)
> **Sent:** Friday, January 30, 2015 9:24 AM
> **To:** Stibitz, Brom (Treasury); Koryzno, Edward (Treasury)
> **Cc:** Kolka, Carolyn (Treasury)
> **Subject:** FW: FDCVT - Preliminary Press Release Info
>
> Brom & Ed,
>
> Attached for your information is the listing of FDCVT grant awardees. We will be announcing the grants on Monday.
>
> Any questions, let us know.
>
> Thank you.
>
> Evah
> 3-2864
>
> ---
>
> **From:** Kolka, Carolyn (Treasury)
> **Sent:** Thursday, January 29, 2015 4:58 PM
> **To:** Allard, Claire (GOV); Stanton, Terry A. (Treasury)
> **Cc:** Cole, Evah (Treasury)
> **Subject:** RE: FDCVT - Preliminary Press Release Info
>
> We have tweaked the descriptions and one funding item.

Carrie

From: Kolka, Carolyn (Treasury)
Sent: Thursday, January 29, 2015 4:37 PM
To: Allard, Claire (GOV); Stanton, Terry A. (Treasury)
Cc: Cole, Evah (Treasury)
Subject: FDCVT - Preliminary Press Release Info

Claire & Terry,

Attached is the preliminary press release for the Financially Distressed Cities, Villages, and Townships (FDCVT) Grant Program. The listing is sorted alphabetically by local unit.

We are awarding the full $8.0 million that was appropriated.

The tentative plan is to make an announcement on Monday, February 2.

Please let us know if you have any questions or concerns.

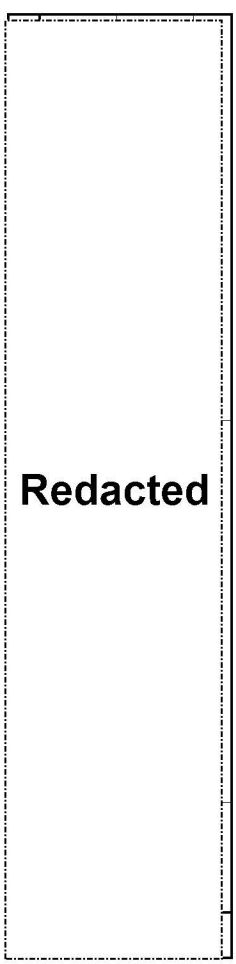
Carrie
241-7417

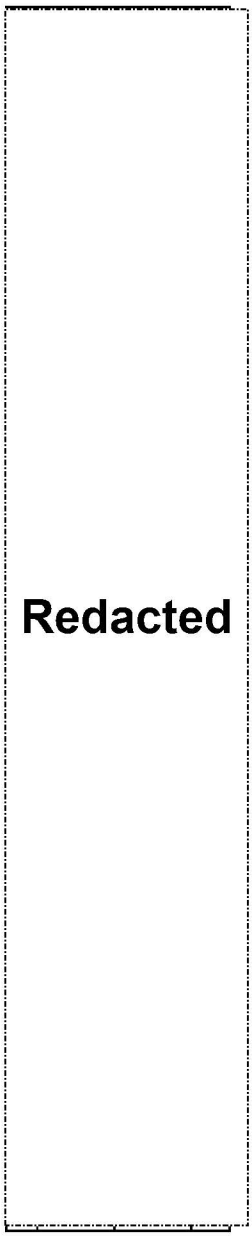
	A	B	C
1			
2			
3			
4			
5	ID	Binder Tab Name	Primary Local Unit Name
	Redacted		
9	4	Flint (Incinerator)	City of Flint
10	5	Flint (Leak Detection)	City of Flint
	Redacted		

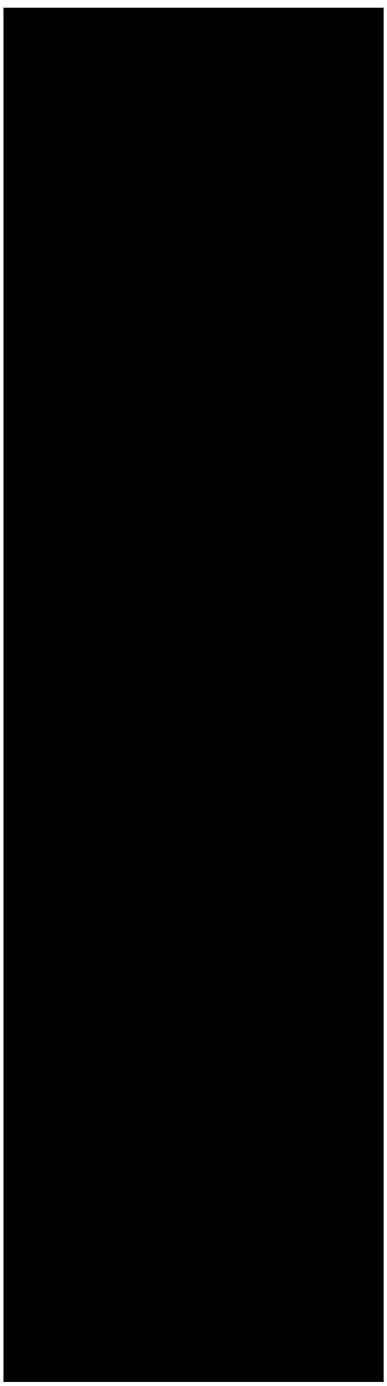
	D
1	**Financially Distressed Cities, Villages, and Townships (FDCVT) Grant Program**
2	**FY 2015 - Round 1**
3	**Preliminary Press Release Information**
4	
5	Project Title
	Redacted
9	Water Pollution Control Incinerator Shutdown
10	Water Main Leak Detection Survey and Condition Assessment
	Redacted
24	

	E	F
1		
2		
3		
4		
5	Project Description	Amount
	Redacted	
9	Water system enhancement through improved waste management.	1,100,000
10	Water system enhancement through leak detection and pipe assessments.	900,000

Redacted


Redacted


Redacted



From: Maxine Murray <mmurray@cityofflint.com>
Sent: Tuesday, February 03, 2015 1:48 PM
To: Kapp, Gene (MSP); Muchmore, Dennis (GOV); Roberts, John (DTMB); Dempkowski, Angela (Treasury); Baird, Richard (GOV); Carter, Jerry (MSP); Deasy, Thomas (MSP); Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Etue, Kriste (MSP); Hollins, Harvey (GOV); Hill, Darryl (MSP); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); Lee, Nichole (MSP); McGowan, Emmitt (MSP); Smith, Paul (GOV); Byrne, Randall (Treasury); Sands, Thomas (MSP); Sipes, Stephen (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY); West, Samantha (GOV)
Subject: Bi-Weekly Conference Call Agenda
Attachments: Agenda for Conference Call with Treasury 020415 (1).pdf

Good afternoon,

Please find attached the agenda for the conference call scheduled for **Wednesday, February 4th at 9:00 am.**

Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Gerald Ambrose, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

City of Flint Wednesday 9:00am Phone Conference Agenda

February 4, 2015

Redacted

	Last Report	Status
1) Public Safety Update – FPD, MSP, (FFD, if needed)	Redacted	
2) Governor's Office Update – R. Baird, H. Hollins, B. Clement		

	Last Report	Status
3) Finance and Administrative Update	Redacted	
4) City Council Update		

5) Water Issues

	Last Report	Status
a) MDEQ Violation Notice	Two separate, independent testing results by news media find Flint water within EPA/MDNR guidelines, as does most recent internal testing.	Update
b) Distressed Cities Grants	Announcements of awards due Feb. 3 for Flint's two grant requests: Leak Detection and Sewage sludge Load Out Facility.	Update
c) Drinking Water Revolving Fund	Discussing possible restructuring of loans.	New
d) Consultant	RFP process resulted in a proposal from Veolia. Agreement being finalized for initial evaluation phase, to begin next week and to take a week or so to complete.	New

6) 9-1-1 Reconsolidation Plan

7) Transition Activities

Redacted

	Last Report	Status
8) Other Items	Redacted	

From: Saxton, Thomas (Treasury)
Sent: Friday, February 20, 2015 6:21 AM
To: Clement, Elizabeth (GOV)
Subject: Fwd: Copy of Presentation
Attachments: Flint Public Works Committee Interim Report V6 - Final.pptx; ATT00001.htm

Beth - here is the attachment that is referred to in that Flint water email I sent at the end of the day yesterday

Begin forwarded message:

> **From:** "Saxton, Thomas (Treasury)" <SaxtonT@michigan.gov>
> **To:** "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Baird, Richard (GOV)" <bairdr@michigan.gov>
> **Cc:** "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>, "Workman, Wayne (TREASURY)" <WorkmanW@michigan.gov>
> **Subject: Fwd: Copy of Presentation**
>
> ... here is the Veolia initial report I just mentioned. Wayne & Harvey you already should have it.
>
> Begin forwarded message:
>
> From: "Gerald Ambrose" <gambrose@cityofflint.com<mailto:gambrose@cityofflint.com>>
> To: "Hollins, Harvey (GOV)" <hollinsh@michigan.gov<mailto:hollinsh@michigan.gov>>, "Workman, Wayne (TREASURY)" <WorkmanW@michigan.gov<mailto:WorkmanW@michigan.gov>>, "Byrne, Randall (Treasury)" <ByrneR1@michigan.gov<mailto:ByrneR1@michigan.gov>>, "Koryzno, Edward (Treasury)" <KoryznoE@michigan.gov<mailto:KoryznoE@michigan.gov>>, "Widigan, Robert (TREASURY)" <WidiganR@michigan.gov<mailto:WidiganR@michigan.gov>>, "Saxton, Thomas (Treasury)" <SaxtonT@michigan.gov<mailto:SaxtonT@michigan.gov>>
> Subject: Fwd: Copy of Presentation
>
> Veolia presentation...interim report
>
> ---------- Forwarded message ----------
> From: "Nicholas, Robert" <robert.nicholas@veolia.com<mailto:robert.nicholas@veolia.com><mailto:robert.nicholas@veolia.com>>
> Date: Feb 18, 2015 4:03 PM
> Subject: Copy of Presentation
> To: <jlorenz@cityofflint.com<mailto:jlorenz@cityofflint.com><mailto:jlorenz@cityofflint.com>>, "Elizabeth Murphy" <emurphy@cityofflint.com<mailto:emurphy@cityofflint.com><mailto:emurphy@cityofflint.com>>, "Howard Croft"

<hcroft@cityofflint.com<mailto:hcroft@cityofflint.com><mailto:hcroft@cityofflint.com>>,
"gambrose@cityofflint.com<mailto:gambrose@cityofflint.com><mailto:gambrose@cityofflint.com>"
<gambrose@cityofflint.com<mailto:gambrose@cityofflint.com><mailto:gambrose@cityofflint.com>>
Cc:

Good Afternoon

You will find attached a copy of the presentation for this afternoon.

--
Rob Nicholas
Vice President, Development
Municipal & Commercial Business
VEOLIA NORTH AMERICA

tel

+1 859 582 0104

5071 Endview Pass / Brooksville, FL 34601
Robert.Nicholas@veolia.com<mailto:Robert.Nicholas@veolia.com><mailto:Robert.Nicholas@veolia.com>
www.veolianorthamerica.com<http://www.veolianorthamerica.com><http://www.veolianorthamerica.com/>

[http://www.vesnaus.com/forms/SocialIcons/veolialogo_300_2.jpg]<http://www.veolianorthamerica.com/>
[http://www.vesnaus.com/forms/SocialIcons/twitter_14.gif]<https://twitter.com/veolia_na>
[http://www.vesnaus.com/forms/SocialIcons/linkedin_14.gif<http://www.vesnaus.com/forms/SocialIcons/twitter_14.gif]<https://twitter.com/veolia_na>%20[http://www.vesnaus.com/forms/SocialIcons/linkedin_14.gif>]
<https://www.linkedin.com/company/veolianorthamerica> [http://www.vesnaus.com/forms/SocialIcons/YouTube-social-square_red_14px.gif]
<http://www.youtube.com/user/VeoliaNorthAmerica>

Confidentiality Note: This e-mail message and any attachments to it are intended only for the named recipients and may contain legally priviledged and/or confidential information. If you are not one of the intended recipients, please do not duplicae or forward this e-mail message and immediately delete it from your computer.

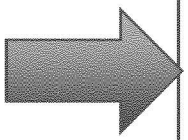
City of Flint, MI
City Council Public Works Committee

Interim Water Quality Report

Veolia Scope of Work

Week 1

- Provide a review of current actions
- Engage staff, visit facilities and analyze data
- Make interim report



Week 2

- Carry out more detailed study of initial findings
- Make recommendations for Improving water quality
- Provide a plan, cost and schedule for change

Items of Note

- **Not in scope** – studying why the change from DWSD or the history of the utility
- **What we found** – A very frustrated community and a staff trying to solve the problem, having some success but frustrated with the pace of change

Everybody Is Checking the Safety of Water

- City, state, news media, universities and other groups
- Safe = compliance with state and federal standards and required testing
  - *Latest tests show water is in compliance with drinking water standards*
  - *Monthly report available on web page*
- More than 20,000 tests required annually for city
- Strict testing requirements in place (what and how to test)

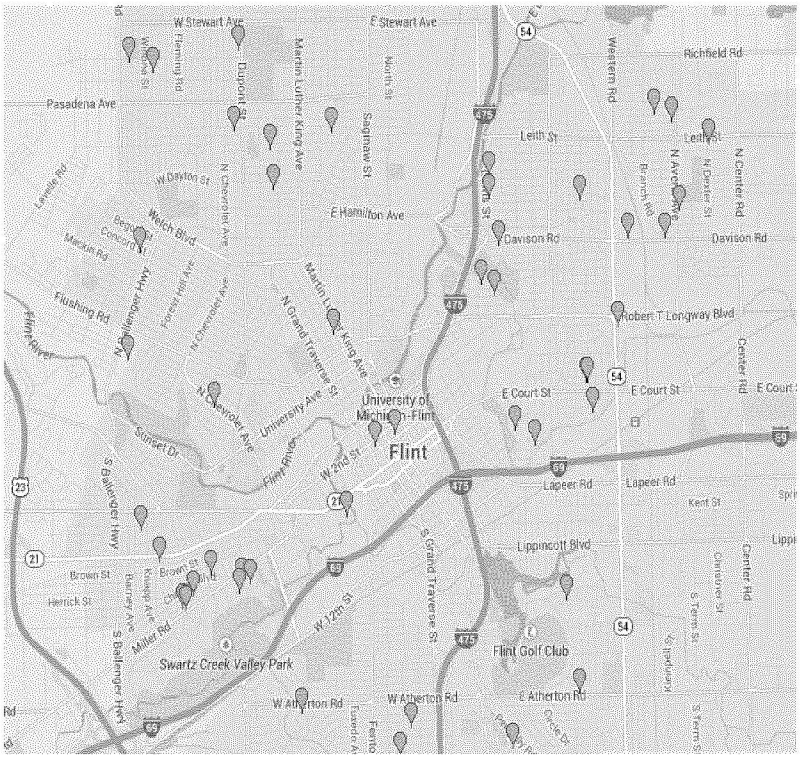
Why TTHM Notices?

- TTHM is formed as a result of the reaction between chlorine and organic material in the water
- City is required to test quarterly at 8 sites
  - *Last summer, several sites had more TTHM than allowed*
- City has reduced levels of TTHM and now all sites are in compliance
  - *Customer notification letters are required until tests are in compliance an average of four quarters*
- It will take at least 2 more quarters to lower average
  - *Even a change to DWSD water doesn't solve problem*
- Flint is not alone – hundreds of communities are facing TTHM issues

Why Discolored Water?

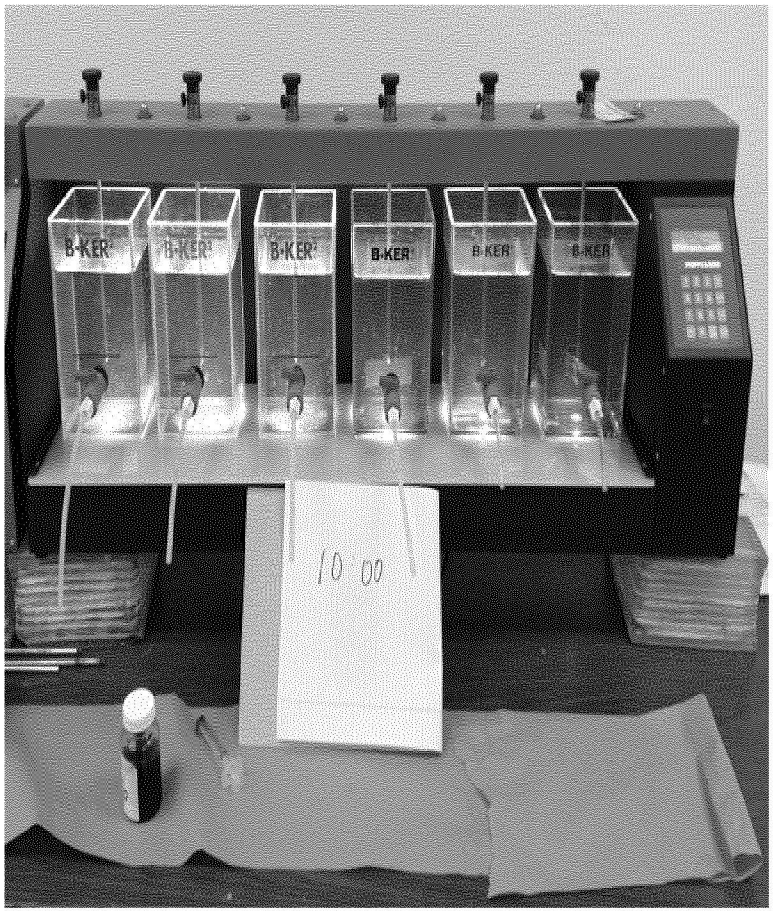
- Old cast iron pipes
- Always has been some discolored water problems – mostly after water breaks
- Efforts to reducing TTHM didn't help discoloration
  - *Doesn't mean the water is unsafe but it is not appealing and raises questions*
- City will test the water at your home – call 787-6537 or email flintwater@cityofflint.com
- Tracking customer complaints is important

Location of water quality complaints
The last 12 months – fewer than you think



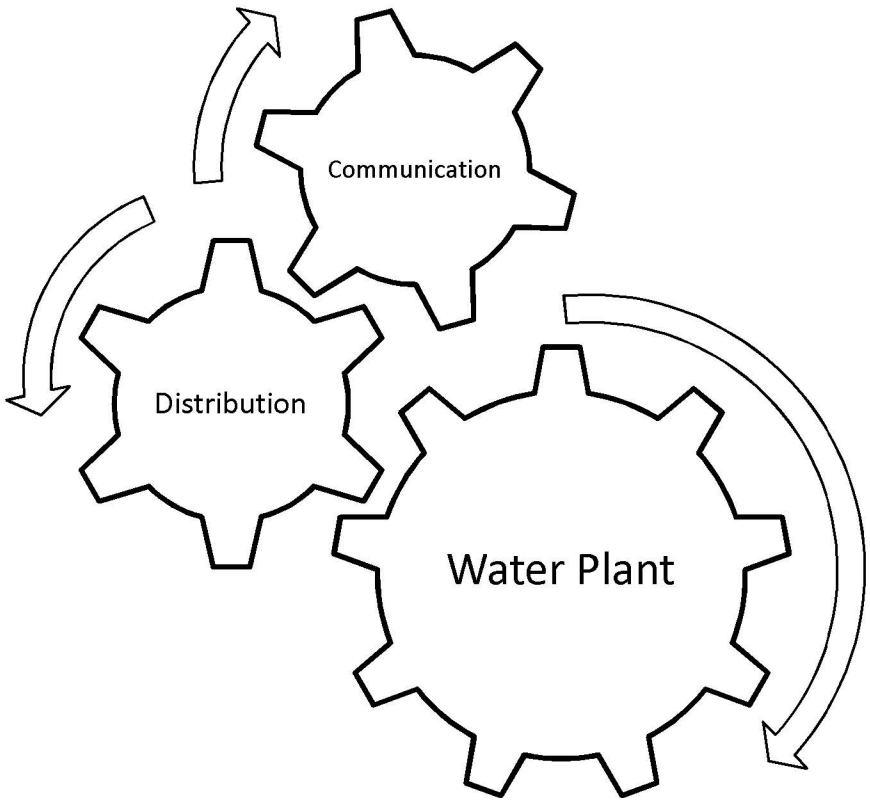
Water Quality Can Be Improved

- Adjust the chemicals being fed – stop some, increase some and change some
- Provide better monitoring of water quality to help make adjustments
- Continue repair or replacement of broken parts
- Reduce the over capacity of the distribution system
- Do a better job explaining what is happening
- Do a better job of asking for help



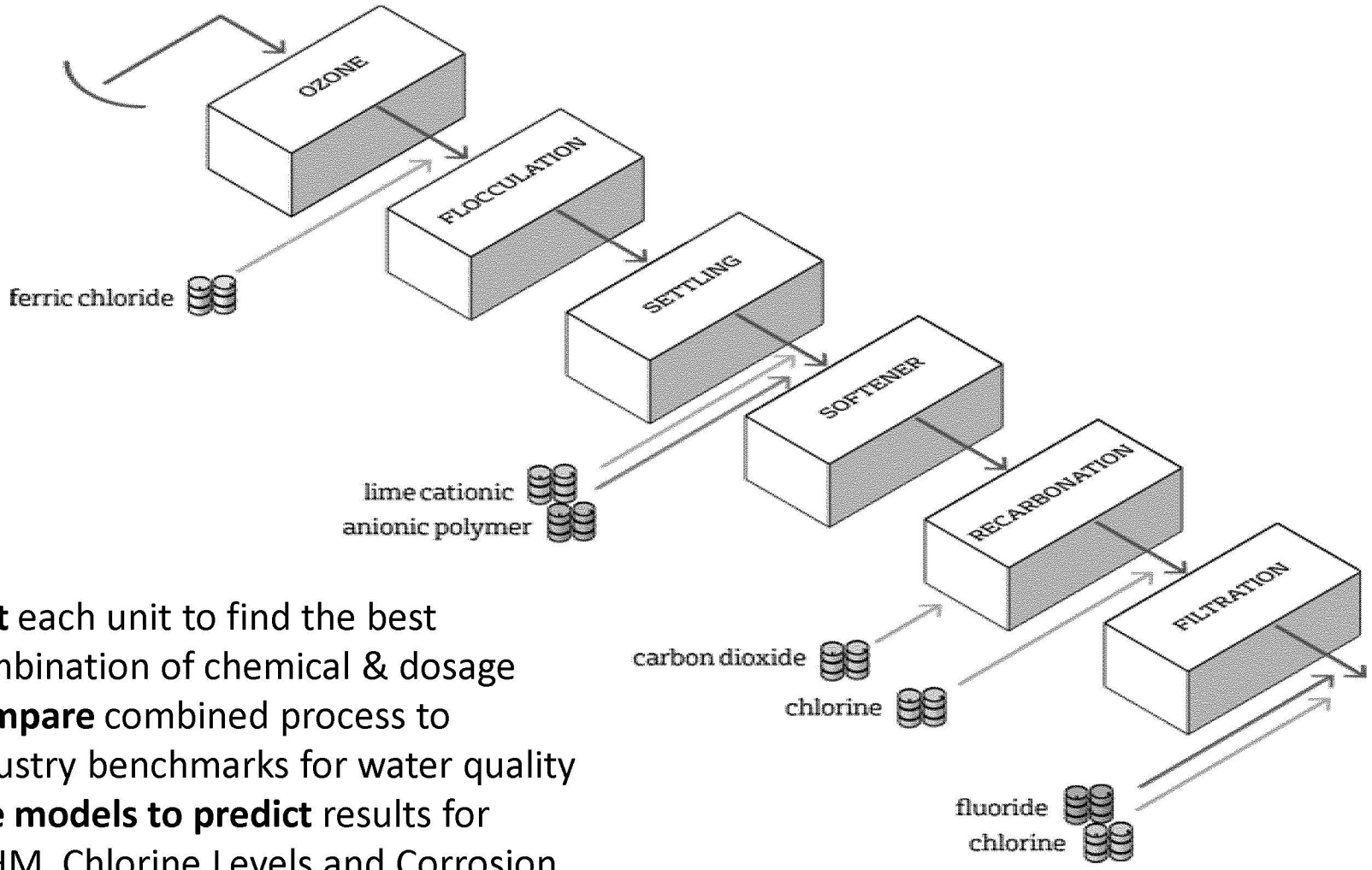
VEOLIA

Solution Involves Coordination of 3 Activities



- Water plant improvements
  - *Optimize chemical dosages*
  - *Consider different chemicals*
  - *Change dosing points*
  - *Install granulated activated carbon*
  - *Complete plant upgrades*
  - *Implement best mgt practices*
- Distribution system improvements
  - *Fix broken valves*
  - *Ask for customer feedback*
  - *Reduce tank storage*
  - *Target line flushing*
  - *Run a hydraulic model*
- Better communication with customers
  - *Engage advisory committees*
  - *More accessible utility*
  - *Make it easy to access information*
  - *Better customer communication*

Optimize Plant Processes



- **Test** each unit to find the best combination of chemical & dosage
- **Compare** combined process to industry benchmarks for water quality
- **Use models to predict** results for TTHM, Chlorine Levels and Corrosion

Complete Plant Construction & Re Prioritize Capital

Cost effective plan in budget

- Complete water plant renovation
  - *Target SCADA and instrumentation in plant*
- Speed up valve turning contract & provide money for replacements
- Speed up hydraulic model update to reduce tank volume
- Evaluate installing of granulated activated carbon on filters

Weather can impact timing

Digging up a water valve for repair
Need good weather to start

Implement Best Management Practices

<u>Activities to Help Operators Maintain Good Water Quality</u>

- Process Control Management Plan
- Lab QA/QC Program
- Computerized Maintenance Management System
- Asset Management System
- Training and Certification Program
- Vulnerability Plan

Distribution System Improvements

- Speed up flow of water from plant to homes – 2 weeks plant to house
  - *Find closed valves & open them*
  - *Replace broken valves*
  - *Update hydraulic model*
  - *Reduce system storage*
- Track customer complaints
  - *Test customer water*
  - *Spot flush hydrants to clean areas of stagnant water in the system*

Flushing out discolored water

VEOLIA

Make It Easy to Access Information and People

Develop a proactive customer communication plan

- Create advisory committees to help direct efforts and improve flow of information
- Establish a single point of contact to manage all water quality complaints
- Provide additional customer service training to staff
- Expand neighborhood and community outreach
- Change monthly billing statements from card to envelope with information

Example - Communicate in the field

NOTICE: ANNUAL FLUSHING PROGRAM

We are conducting our annual flushing program to enhance your water quality and clean the distribution system.

DC Water crews will be flushing hydrants in your area 10:00 p.m. to 6:30 a.m. on the following dates:

9/24 **through** 9/30

IMPORTANT INFORMATION

- Your water supply will not be shut off during hydrant flushing.
- You may notice slight water discoloration or low water pressure.
- During this time, customers can continue normal water usage, including drinking, bathing and laundry (unless water is discolored).

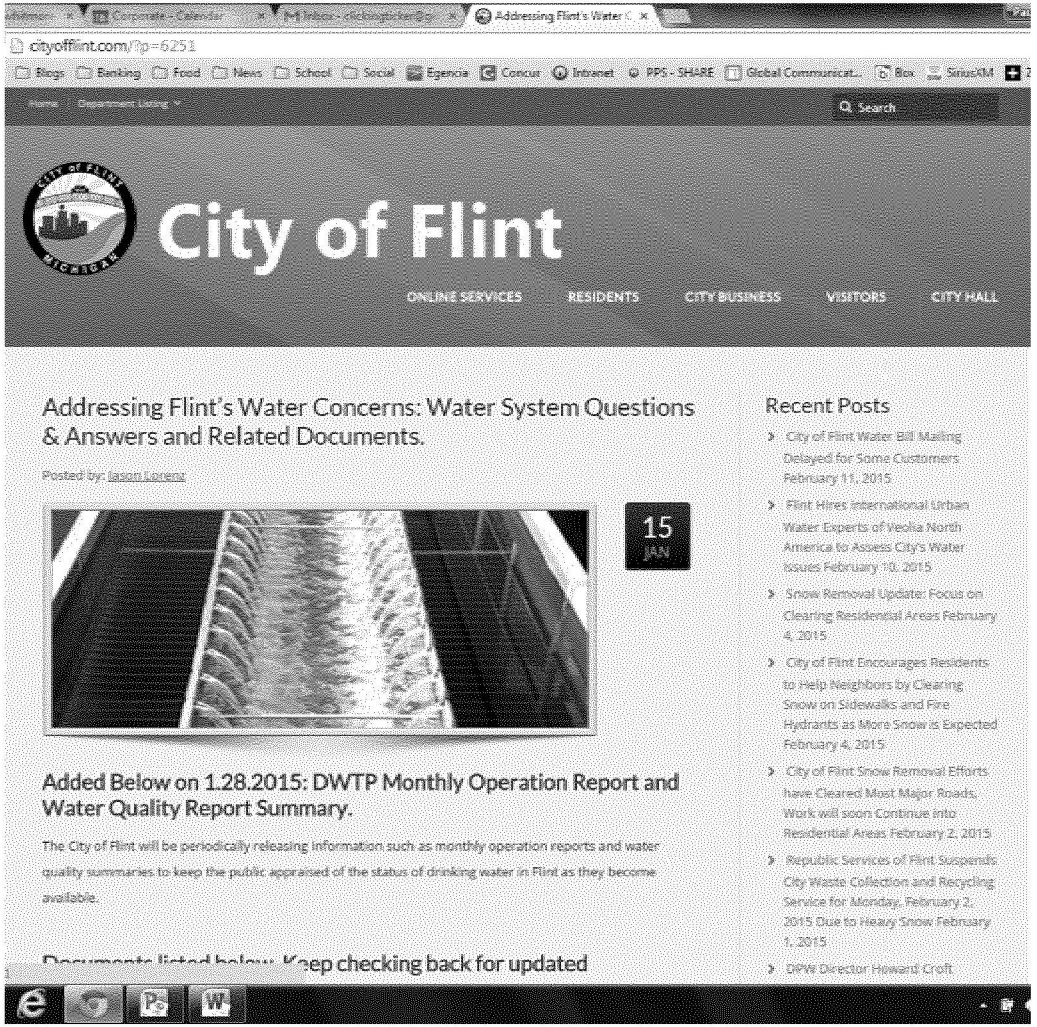
If you experience discolored water during this period:

- Run your cold water taps for 15 minutes. If it does not clear up, please contact our Drinking Water Division.
- Do not run your hot water. If you experience discolored water from your hot water tap for several hours, then it is recommended to drain and flush your water heater tank.

- **Provide field crews with additional communications tools to use to address questions or concerns from the public**
  - ***Create door hangers, flyers, or yard signs to notify neighborhoods about main breaks, hydrant flushing, or system maintenance that may affect the public***
  - ***Create a business card or other contact card with the name and phone number of the single point of contact with the Department of Public Works who is managing information flow***

sample door hanger provided by DC Water & Sewer Authority

Clear, concise information is key



Simplify the reports on the web page dedicated to addressing water system questions

- *Create a single-page, easy to understand report for the public*
- *Use charts or provide other examples to demonstrate water quality testing and system or treatment plant improvements underway*
- *Provide name, phone number and email address for identified point of contact so customers can request more information*
- *Continue to provide Monthly Operation Report and Water Quality Report Summary for those customers interested in more technical information*
- *Use site to provide additional notice of field work that may impact customers*

VEOLIA

Next Steps

Week 1

- Provide a review of current actions
- Engage staff, visit facilities and analyze data
- Make interim report

Week 2

- Carry out more detailed study of initial findings
- Make recommendations for Improving water quality
- Provide a plan, cost and schedule for change

Questions Being Heard

REMEMBER

We just started. Might not have an answer yet to your question

- **When will water improve -** The water has improved with current actions. More changes will occur over weeks and months because of safety reviews
- **Date of next update and final report** – An update will be provided next week and a report the following week.
- **Time frame for implementing recommendations –** The City is already started. Others a few days and some weeks or months due to State approval being required or weather.
- **Cost of changes** – Don't know yet but we are aware of the financial concerns

More Questions Being Heard

- **How are TTHM formed** – It's the reaction of chlorine to organics (leafs, dirt) in the water.
- **How to reduce TTHM** – Reduce organics before introducing chlorine and shorten time chlorine has to react with the organics
- **What causes discoloration** – Older lines, the iron parts of the system will leach iron into the water causing the discoloration. Other times its just air built up.
- **Why no discoloration with DWSD** – There was. Flint had a bad time with breaks of old line and is doing lots of construction. This stirred up the water and caused discoloration.

More Questions Being Heard

- **Can you test my water** – The city will test your water for free. But, only 2 of 20 people have taken the city up on the offer since it began offering the service.
- **Medical problems** – Some people may be sensitive to any water. Talk to your doctor. The City is communicating with the medical community.
- **Confidence that future problems will be avoided** – Recommendations will include putting programs in place to better respond to water changes and assure quality

VEOLIA

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Friday, February 20, 2015 2:31 PM
To: Maxine Murray
Subject: City of Flint Update
Attachments: 2015 Q2 Strategic Plan Update.pdf; 2014 Year in Review Master Plan.pdf

Dear Citizens and Stakeholders:

The City of Flint is continuing its efforts of implementing the adopted master plan and organizational strategic plan. The integration of the strategic plan into the organizational processes is also a key component in the seven point transition management plan to guide the way by which the operation of the City will be assumed by the Mayor and City Council.

Flint City government is focused on enabling Flint to become an attractive place to live, work, play, study, and visit. In order to do this, the city government must become and remain financially stable, must provide residents, businesses, students, and visitors with an adequate level of municipal services. It must also have the capacity to encourage and guide others in the achieving its vision and goals.

Each quarter the City is producing a report. The first quarter of FY15 ended on September 30, 2014 and the results were reported to the public last October. We are now pleased to share the progress which has been made during the second quarter, which ended on December 31, 2014. Also attached is the 2014 summary of accomplishments related to the master plan. We have identified more than 100 strategies underway with nearly $15 million in activities. As you review the summary here and attached reports, please consider sending us your feedback and ideas. The strategic plan is currently being revised to extend to 2020 and the report on the master plan is being expanded by including more projects from partners.

With the strategic plan, over 300 specific objectives are identified in the current plan, with 98 now completed. They include increasing public safety, improving infrastructure, creating jobs and development, eliminating blight, engaging citizens and managing the financial and administrative challenges which are reflective of an organization striving to regain sustainable financial solvency. Much of this work is done in partnership with the community and everyone is to be commended for their willingness to embrace change.

Important areas of progress from this past quarter include:

❖ - Voters approving the creation of a charter commission and the adoption of charter amendments to strengthen financial management and reduce administrative costs.

❖ - City Council supported a package of ordinance reforms to codify the strategic planning process and the best practices in financial management.

❖ - Flint recorded its lowest number of homicides in more than ten years and the overall violent crime rate was down compared with 2013.

❖ - Flint's economy continues to improve steadily with coordinated economic development efforts supporting more than 300 jobs in 2014 including jobs with expanding companies in health care, manufacturing, retail, and environmental technologies along with new small businesses.

❖ - Improvements in infrastructure are progressing in accordance with the strategic plan and completed combined capital improvement plan despite the evident challenges with water quality and costs.

❖ - A new City of Flint website has been launched to provide citizens, businesses, students and visitors have access to timely information regarding services and information.

❖ - The FY2014 audit was completed on time and confirms the reduction in the General Fund deficit to less than $9 million and the stabilization of other City accounts.

❖ - The transition from state oversight to home rule is advancing with the new City Administrator starting and the preparation of a final list of items to be completed before April 2015.

While significant progress has been made on many fronts, significant challenges and risks remain. One primary issue, of course, is water quality. We all know it is a very serious concern, and our staff is working every day to improve water quality with the guidance being provided by independent consultants with expertise in improving water quality where the source of water is a river. We also posted on the City's web site answers to questions which have been raised in the community along with testing data so we are fully transparent. Another issue is the low level of resources available to address public safety issues in the City. As you know, we commissioned an independent study of our police and fire organization in order to assess our capacity and to determine how to best organize our police and fire departments in light of their diminished resources.

The issues surrounding water and public safety emphasize the tenuous financial situation of the City — one which, while significantly improved, will remain tight. The five year financial projections done last year, and the adopted budgets for FY15 and FYI 6, showed financial stability for FY15 and FY26, but projected a very significant gap between revenues and expenses for FY17. Balancing the FY17 budget in a financially responsible manner will be a challenging task. If decisions become necessary to further reduce the workforce and service levels, they will be very difficult, as there are no easy answers. Likewise, responding to demands for high levels of service and lower costs in the form of water rates or taxes will also be difficult.

We will be looking to the community and partners to continue to be engaged and work with us on solutions. For instance, the new Water Advisory Board is being established. If you are interested in participating on the new board, other commissions, or becoming more involved in any way, please contact mayor@cityofflint.com. And again, we welcome your feedback on the revision of the strategic plan and the compilation of master plan accomplishments.

Mayor Dayne Walling

Emergency Manager Jerry Ambrose

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Gerald Ambrose, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

CITY OF FLINT

OFFICE OF THE EMERGENCY MANAGER

Darnell Earley, ICMA-CM, MPA
Emergency Manager

DATE: January 5, 2015

TO: Joshua Freeman, President
Flint City Council

FROM: Darnell Earley, Emergency Manager
Dayne Walling, Mayor

RE: City of Flint Strategic Plan, Second Quarter Report

In 2014 the City Council of Flint adopted a Strategic Plan for the City of Flint. This plan announced a vision, mission, and goals to guide the operation of the City government for the next five years and was adopted in the context of the City's recently adopted Master Plan for the community. It was followed by a statement of budget priorities adopted by the City Council and ultimately by a biennial budget for FY15 and 16. The budget also projected the city finances for the following three years – FY17, FY18, and FY19. During this same period a Deficit Elimination Plan and Reserve Accumulation Plan was approved by the State and a Seven Point Transition Management Plan was enacted to guide the way by which the operation of the City will be assumed by the Mayor and City Council. The integration of the Strategic Plan into the organizational processes of the City is a key component of the Seven Point Transition Management Plan.

In total, these actions comprise a broad framework guiding the direction of the Flint City government as it restores financial stability and once again becomes an active leader focused on making Flint a safe, secure city attractive to residents, businesses, students and visitors.

The first quarter of FY15 ended on September 30, 2014 and the results were reported to the public in October. A copy of that report is available on the City's web site.

We are pleased to report on the progress which has been made during the second quarter, which ended on December 31, 2014. While significant progress has been made on many fronts significant challenges and risks remain.

We wish to commend the Management Team and our employees for their dedicated efforts to move the City forward. We look forward to discussing the contents of the report with you.

City of Flint Strategic Plan

Quarterly Report

October 1, 2014 – December 31, 2014

City of Flint Quarterly Report
October 1, 2014 – December 31, 2014

Overview

The progress of the City of Flint is now defined by the steps it takes to achieve its stated vision, mission, and goals. Flint City government is focused on enabling Flint to become an attractive place to live, work, play, study, and visit. In order to do this, the city government must become and remain financially stable, must provide residents, businesses, students, and visitors with an adequate level of municipal services. It must also have the capacity to encourage and guide others in the achieving its vison and goals.

Achievement of the vison will be measured by the progress which is being made towards specific goals and objectives. Over 300 specific objectives are identified in the current plan, with nearly 100 completed. They include increasing public safety, improving infrastructure, creating jobs and development, eliminating blight, engaging citizens and managing the financial and administrative challenges which are reflective of an organization striving to regain sustainable financial solvency. Much of this work is done in partnership with the community and everyone is to be commended for their willingness to embrace change. Important areas of progress from this past quarter include:

- Voters approving the creation of a charter commission and the adoption of three charter amendments to strengthen financial management and reduce administrative costs.
- City Council supported the first reading of a package of ordinance reforms to codify the strategic planning process and the best practices in financial management.
- Flint recorded its lowest number of homicides in more than ten years and the overall violent crime rate was down in nearly all areas, compared to 2013.
- Flint's economy continues to improve steadily with coordinated economic development efforts supporting more than 300 jobs in 2014 including jobs with expanding companies in health care, manufacturing, retail, and environmental technologies along with new small businesses.
- Improvements in infrastructure are progressing in accordance with the strategic plan and nearly completed combined capital improvement plan.
- A new City of Flint website is ready to be launched in January, providing citizens, businesses, students and visitors have access to timely information regarding services and information.
- The FY2014 audit was completed on time and confirms the reduction in the General Fund deficit to less than $9 million and the stabilization of other City accounts.
- The transition from state oversight to home rule is advancing with the announcement of the new City Administrator and the preparation of a final list of items to be completed before April 2015.

Assuring Accountability to Adopted Plans and Budgets

As the City of Flint continues to work towards its adopted Vision of being, "a well-managed, financially stable, and accountable government," there is a shared commitment to continually updating and improving plans and budgets. The City Council is poised to adopt a package of ordinance reforms to codify the strategic planning process and the best practices in financial management. The ordinance reforms will require the City of Flint to establish priorities, regularly update the five year strategic plan, adopt a biennial budget, receive quarterly reports on the status of the budget, consider quarterly budget amendments, and develop appropriate fund balances and retiree health care reserves.

This is a report on the progress made during the three month period ended December 31, 2014. This three month period is the second quarter of the City's Fiscal Year 2014, which began July 1, 2014. A first quarter report was presented to the community in October, 2014, and is available on the City's web site.

Highlights

Increasing Public Safety

The City of Flint is increasing public safety through the involvement of the community, collaboration with the Michigan State Police, Genesee County Sheriff's Department and other law enforcement partners, and, most importantly, the hard work of the Flint Fire Department and Flint Police Department along with the 911 center and courts. While managing force reductions as required by the budget, success is notable in the following:

- The City has selected the State Records Management System for replacement of its current system.
- The Citizens Radio Patrol is now active and planning on expansion in 2015.
- Leads on Line has been implemented and is functional.
- 100% of Flint school children have been provided with fire safety and prevention education and all Senior Centers have been provided with fire safety and prevention information.
- Fire suppression personnel have distributed arson reward literature in the community.
- A reorganization has been implemented within District Court resulting is reduced costs and upgraded technology.
- A reduction in Violent Part 1 Crimes continues, including a 40% reduction in homicides; with the exception of arsons, other major areas are also showing a decline.
- Response time to calls for service for the Police Department has been reduced by 7.5%, but still short of the goal of 8%.
- An alternate plan to calls for service not requiring direct police response is being developed to further reduce response time and to improve effectiveness of available resources.
- An organizational study of the police and fire organization and staffing is nearing final completion, and will give guidance to future organizational and budgetary decisions regarding public safety.

Improving Infrastructure

The mission of the City of Flint Government is to assure that residents, businesses, students and visitors receive municipal services in a customer friendly and financially responsible manner. Infrastructure, in the form of utilities, streets, trails, and waste collection, are vital municipal services that require ongoing attention due to the age of current systems and the express desire of the community for modern improvements. Despite evident challenges, the Department of Public Works has developed plans and steps are being taken to strengthen Flint's infrastructure systems. Strategic objectives have been met, or are in progress in these areas:

- A list of capital improvement needs for city facilities was developed and provided to the public for review as part of the development of the Capital Improvements Plan portion of the Master Planning process, which is scheduled for final submission to the Planning Commission and the Flint City Council in January 2015.
- Repairs and improvements to the City's water treatment and distribution system are being made to ensure the water is safe to drink and for all other purposes.
- A written pipe replacement matrix has been developed for determining the priority of pipe replacement annual plans.
- Infrastructure repairs on the water and sewer system continue with nearly 40 valves replaced this quarter alone.
- The process of selecting a vendor to replace all inoperable residential meters is underway.
- Engineering has started for the replacement of seven miles of underground pipe. Replacement is scheduled to begin this spring.
- Work has started on rebuilding manholes as a part of the water infiltration elimination program.
- A list of potential shared services opportunities with Genesee County has been developed.
- The process of selecting a vendor and funding mechanism to provide an energy evaluation of the City Hall campus is underway.

Fostering Jobs and Development

The City's Department of Planning and Development has the mission of organizing and facilitating, "targeted investment and rational, well-designed and physically integrated land use and development that advances economic prosperity, eliminates blight and stabilizes neighborhoods, protects the environment, and provides a better quality of life in the city." With the adopted *Master Plan for a Sustainable Flint* as a framework, the Department is working with partners to support long-term planning, comprehensive economic and community development including effective planning, zoning, business licensing and permitting, and parks maintenance. A number of efforts are being made to implement the specific strategies identified in the master plan, including developing a Capital Improvement Plan and a new zoning code. Other initiatives are underway that leverage grants and opportunities that fit within the community's vision. Areas of progress include:

- Coordinated economic development efforts supporting the creation more than 300 jobs and $850 Million in capital investment in 2014 including jobs with expanding companies in health care, manufacturing, retail, and environmental technologies along with new small businesses.

- A review of the process of submitting planning applications was conducted in order to assure that applications are processed in a timely manner.
- At least three "Adopt a Park" agreements have been executed to fulfill the initial commitment in the Strategic Plan and the "Friends of Berston" has been established as an independent non-profit organization.
- The capacity for conducting rental inspections will be increased shortly as a contract for inspection services is being finalized.
- Significant progress has been made with the sale of homes at Smith village, with only 9 of the 39 remaining unsold.
- Ongoing coordination with the Land Bank to continue demolitions.
- A draft of the City's comprehensive 5-Year Blight Elimination Framework has been completed and is being circulated for review by the public, partners and the Planning Commission with the intention of an adoption as a policy document in the coming quarter.
- An agreement with MDOT has been executed which will allow the construction of the Genesee Valley trail and connection to the new Chevy Commons to begin this spring.
- A preliminary draft of the City's Zoning Code has been completed and is being prepared for public review in 2015.
- A draft of the Capital Improvement Plan has been completed and shared with the public; consideration of adoption by City Council is planned for January 2015.
- A planning grant application to the EPA was submitted in order to provide for additional planning for the area around Chevy Commons.

Managing Financial and Administration Challenges

As the City of Flint moves to resolve the financial emergency, a number of financial and administrative challenges are being managed in accordance with the Strategic Plan. The following objectives have been completed:

- The City's accumulated General Fund deficit has now been reduced to less than $9 million from the $12.9 million which existed as of June 30, 2013, more than double the amount targeted in the state adopted Deficit Elimination Plan.
- A City Administrator has been selected to lead the City government as it transitions from oversight by an Emergency Manager back to home rule.
- A formal assessment of the values of both Hurley Hospital and the City's utility system have been completed, concluding that no change in ownership status would be beneficial at this time.
- A decision has been made to rejoin the County 911 Consortium, which will improve service to the Flint community while reducing overall costs.
- Video capabilities have been improved in City Council Chambers, providing for improved recording of Council proceedings.
- A review of professional development needs for city officials, department heads, and employees has been completed.
- A new fixed asset accounting policy has been implemented.
- The FY14 audit has been completed and filed with state
- An Internship program has been established for the Finance Department.
- Staffing is now in place to enhance delinquent collections.
- The office space for the Assessing Division has been renovated to address health and safety issues.

- New labor contracts were negotiated and implemented with AFSCME 1600 and 1799, and FPD Command officers, providing consistent benefit packages, achieving short and long term costs, and improving efficiency of operations.
- A new labor contract was imposed on FPOA for the same purposes.
- Modifications to exempt employee policies were approved for the same purposes.
- A new Family Medical Leave Act administration program was implemented.
- A new Employee Assistance Program was implemented.
- Several specific vehicle and equipment acquisitions were made.
- New lease arrangements for several vehicles were also implemented.
- GPS tracking units were installed on several city vehicles as a pilot project.
- A regular schedule of seasonal meetings with DPW to assess vehicle readiness was established.
- A technology training calendar was established for all employees.

City of Flint Challenges Going Forward

Progress continues on the remaining objectives, with progress to be reported in the next quarterly report. Challenges to the City's progress continue in the form of events such as:

- While the transition from DWSD to KWA is underway, including the use of the Flint River on a temporary basis, the work of producing treated water continues to be complicated by the systems' aging infrastructure and varying temperatures.
- The departure of three key management staff in Finance and Human Resources will affect timelines for completion of some objectives.
- Difficulties in finding qualified candidates for plumbing and mechanical inspectors has affected the timeliness of providing inspections.
- The inability of the City and IAFF to reach a mutually acceptable labor contract patterned after the basic terms and conditions in all other contracts has resulted in a delay in achieving desired cost savings.
- The slow progress of the retiree health care lawsuit continues the uncertainty of the City's financial stability.
- Slow deployment of budgeted personnel assigned to delinquent tax collections may affect the ability to reach targeted revenues amounts.
- Evidence of consistent instances of water theft has required the assignment of public works, finance and public safety personnel to investigate and prosecute offenders.

Objectives Added or Removed

A viable plan must be flexible enough to adjust to unexpected circumstances and these modifications need to be made transparent to the community. Significant adjustments to this plan as of the end of the second quarter include:

- Objectives for improving City 911 operations are being replaced with the objective of transferring City 911 operations to the County 911 Consortium by July 1, 2015.
- An objective of developing an agreement with Genesee County for the consolidation of the 67th and 68th District Courts by January 1, 2016 will be added.
- An objective of improving inventory control in the Utilities and Fleet divisions by June 30, 2015 will be added.
- An objective of selecting permanent replacements for the City Treasurer, Human Resources Director, and Finance Director no later than April 30, 2015 will be added.

- An objective to reduce instances of water theft by 50% no later than June 30, 2015 will be added.
- An objective to develop policy review and recommendation regarding the "My Brother's Keeper Initiative" by February 1, 2015; and to develop and help launch action plan by September 1, 2016 will be added.
- Secure funding and complete construction of a road diet, and addition of bike lane, along Harrison Street by September 1, 2016, per the Master Plan, will be added.

Conclusion

Adoption and implementation of a strategic planning process is one of the elements identified by Flint's Emergency Manager in the 7-point Transition Plan as necessary for the transition back to Home Rule. Progress is being made in accordance with the expectations of the Strategic Plan and its specific objectives. Significant steps are being taken to improve its financial condition and to restructure the organization to improve efficiency and effectiveness. Steps are also being taken to prepare the City for return to traditional Home Rule governance.

The second quarter report shows completion of a number of specific objectives and progress on others. There have also been a number of unexpected events which have or will affect timely completion of objectives, or resulted in the elimination or addition of others. These types of adjustments are to be expected in the implementation of any plan.

The positive progress outlined in this report must be read in the context of the current overall condition of the City of Flint. The level of services currently provided by the City is marginal as it struggles to regain financial solvency. Flint continues to be challenged by population loss, relatively low per capita income, aging infrastructure, and an insufficient revenue stream to support a desired level of services. It still has a significant General Fund deficit to be addressed, along with significant legacy costs. And it still faces the possibility of insolvency should the challenge to changes in retiree health care prevail.

GOVERNANCE AND ADMINISTRATION

VISION Statement

The City of Flint's Governance will adapt to change and be a model of professionalism, transparency, and sustainability in order to provide effective government to each of our City's residents (as written in the Charter Preamble).

MISSION Statement

The Executive Management and Elected Leadership directs and guides the City government in order operate in an open and financially responsible manner, including improving citizen access, focusing on measurable results, improving the City's financial position, and eliminating accumulated deficits within the context of the City of Flint Master Plan.

DIVISIONS	FUNCTIONS	KEY OBJECTIVES FY15 & FY16	1ST QTR STATUS	2ND QTR STATUS
EMERGENCY MANAGER		Formally assess City readiness for Transition Advisory Board and progress towards achievement of Seven-Point Plan	I	C
MAYOR & COUNCIL		Participate with MML and others on an ongoing basis in advocating for state reforms in municipal financing, including PPT and EVIP	C	C
	Management of City Government	Continue to participate with MML and partners with new legislative session in advocating for state reforms in municipal financing, including OPEB and Prop A	I	I
CITY ADMINISTRATOR	Chief Elected Official	Reduce deficit by no less than $1.8 million by end of FY15, and each year thereafter in accord with City Deficit Elimination Plan, and continuing to accumulate an appropriate level of reserves	I	I
	Legislative Body of the City	Begin search for City Administrator	C	C
MAYOR		Formally assess dept head's progress on attaining objectives and then semi-annually thereafter	I	I
		Conduct organizational review of all departments completing Public Safety in FY15 and Public Works in FY16	I	I
CITY COUNCIL		Resolve retiree healthcare lawsuit by December 31, 2015	I	I
		Conduct formal quarterly budget and strategic plan review with Council	I	I
HUMAN RELATIONS		Complete assessment of Hurley's future as a community hospital	I	C
		Apply for 20 grants annually and receive $10 million in competitive/non-entitlement awards, beginning in FY15	I	I
CIVIL SERVICE/OMBUDSMAN		Secure ongoing financial and other support for public safety and blight, including city lock-up, for FY15-FY19	I	I
		Develop proposals for 911 consolidation and courts consolidation	I	I
		Design citizen service system to process up to 500 requests each month	I	I
		All Council members and Mayor to attain MML Level Two certification	I	I
		Update the video capabilities of the City Council chambers to facilitate in-house recording, production and uploading of video	C	C
		EM and Mayor to approve professional development training schedule for department heads	I	C
		EM and Mayor to approve professional development training schedule for employees, based on recommendations from department heads and Human Resources	I	I
		Updated web site to be implemented	I	I
		All appointments to City boards to be current	I	I
		Create 1,000 Volunteer opportunities annually	I	I
		Mayor/EM to implement policies and procedures for improving citizen access to City government	I	I
		Formally assess future city role in promoting economic and community development for consideration in FY16 budget	I	I
		Develop agreement with Genesee County for consolidation of 67th & 68th District Courts by January 1, 2016	I	N
		Secure permanent replacements for City Treasurer, Human Resources Director, and Finance Director no later than September 30, 2015	I	I

GOVERNANCE AND ADMINISTRATION

(continued)

DIVISIONS	FUNCTIONS	KEY OBJECTIVES FY15 & FY16	1ST QTR STATUS	2ND QTR STATUS
CITY ATTORNEY				
CITY ATTORNEY'S OFFICE	Provide legal advice to Mayor, Council, City Administrator and Department Heads on matters of City business	Revised Business Licensing ordinance to be in effect on July 1, 2014; revised Zoning ordinance by November 2014; schedule of remaining ordinance revisions to be developed by July 1, 2015	I	I
	Prosecutes violations of City Ordinances	Develop strategy and timeline for renegotiating Cable Franchise agreement (agreement expires December 2016)	I	I
	Responds to FOIA requests	Handle 95% of litigation in-house	C	C
	Advises in labor relations and employment relations issues	Implement program for increasing amount of delinquent collections	I	I
	Represents City in lawsuits and other legal matters	Define proposed process for handling paper and digital files, including time frame for implementation	I	I
		Define process and procedures for improving standardization of procedures for common legal matters, including time frame for implementation	I	I
		Program for improving skill sets of all staff to be scheduled/implemented	I	I
		Proposal for improving the appearance of City Attorney's Office to be presented to Facilities	C	C
CITY CLERK				
CITY CLERK'S OFFICE	Records proceeding of City Council and other bodies	Define ongoing training needs of City Council staff, including law changes affecting legislative bodies (such as public notices, open meetings) and the Legistar cataloging system and implement training	I	I
	Provides administrative and professional support to City Council and other bodies	Review and update City Council's constituent complaint referral process	I	I
RECORDS	Custodian of City Records	Release a RFP by January 1, 2015 seeking comprehensive proposals for analyzing the state of all City current and historical records and providing recommendations for preserving, cataloging, and accessing records, utilizing a records retention schedule, with implementation to begin in FY16	N	I
	Codifies city ordinances every ten years	Assure orderly transition of the Licensing Division to the Planning & Development Department	I	I
ELECTIONS	Oversight of elections	Continue ongoing training calendar for Election Inspectors and City staff involved with elections	I	I
		Secure State grant for polling accessibility study to meet ADA requirements and continue to seek public and non-profit grants for election related activities.	I	I

POLICE DEPARTMENT

VISION Statement

The Flint Police Department will be the anchor resource in a collaborative effort with the community, businesses and visitors to the City of Flint. We will provide model law enforcement services with an emphasis on innovation and technology.

MISSION Statement

The City of Flint Police Department is committed to protecting and serving all the people of our community with respect, fairness, and compassion.
Acting in partnership with our community to protect life and property, we strive to prevent crime and preserve peace, order and safety.
We will seek just solutions with honesty and integrity.
We encourage, need, and expect community involvement to work toward a mutual goal of enhancing the quality of life within our city.

DIVISIONS	FUNCTIONS	KEY OBJECTIVES FY15 & FY16	1ST QTR STATUS	2ND QTR STATUS
POLICE				
ADMINISTRATION	Management & Planning	Recommend vendor for Record Management System by October 1, 2014, and propose funding and implementation strategy for inclusion in FY16 budget	C	C
		Establish criteria that identifies each supervisor's responsibilities in the supervision of their respective subordinates	C	C
		Review administrative responsibilities	C	C
		Revitalize the Flint Police Department's Chaplain Corps	I	I
	Community Policing	Launch FPD website	C	C
		Acquire and implement an online Crime Mapping capability that is accessible to community members	C	C
		Develop, train, and implement a "Citizen's Radio Patrol" utilizing Blue Badge Volunteers in their respective neighborhoods	I	C
INVESTIGATIONS	Investigation of Crimes	Evaluate call management strategies currently in place	C	C
		Increase use of IB techs at crime scenes, develop latent prints and compare to files to ID perpetrators by June 30, 2015	N	N
		Develop an informational document from the Detective Bureau to assist in identifying crime patterns	C	C
LOCKUP	Oversight of lock-up facility	Move to have GCSD handle entire booking process eliminate IB techs from process	N	N
PATROL	Deployment of officers on patrol	Reduce response time to calls for service by 8%	I	I

POLICE DEPARTMENT

(continued)

DIVISIONS	FUNCTIONS	KEY OBJECTIVES FY15 & FY16	1ST QTR STATUS	2ND QTR STATUS
RECORDS/PROPERTY MANAGEMENT		Develop a data driven strategy that can be utilized by Patrol Lieutenants through recurring reports	C	C
	Custody of police records and confiscated properties	Examine other alternatives as it relates to calls for service or criminal complaints	C	C
		Complete refresh of property room	C	C
	IB section/ Property	Eliminate all unnecessary historical paper records in the Police Department	C	C
		Evaluate options and recommend location for new shooting range	N	X
	Department Management	A 3% to 20% reduction in Violent Part 1 crime	I	I
		Increase Community Policing efforts, measured by the MSU, proactive time study with an increase of 7-10%	I	I
Administration	Department Management	Use Blue Badge as the portal to all volunteer efforts, including 1). Citizen Radio Patrol, 2), Chaplain Corps, 3). Service Center/Mini Station workers with a goal of 30% increase	N	I
Administration	Department Management	Identify funding source to expand the NSO program in size and duties, specifically license compliance for problem businesses and scrap and secondhand merchants	C	C
Chief's Office	School Liaison	Per the COPS grant Hire 6 Officers and deploy in the schools with the emphasis on the school and the community therein, focus on safe routes and crimestoppers school program	I	I
Chief's Office	Department Management	1). Continue Partnership with FBI, ATF and USMS. 2). Partner with MSP, FFD, FANG on Arson squad, 3). Partner GCSO on Auto Theft Team (GAIN), Develop Area Crime Team with MSP and GCSO	C	C
		Acquire and implement an online Crime Mapping capability that is accessible to community members	C	C
		Submit all requested materials from ICMA	C	C

911

VISION STATEMENT

The City of Flint 911 Department will be a fully functional Next Gen 911 system, accessible 24/7 from any device.

MISSION Statement

The City of Flint 911 Department is committed to serving our citizens, businesses and visitors with professional emergency services. We will continuously strive to improve our services in the most effective and efficient manner possible.

DIVISIONS	FUNCTIONS	KEY OBJECTIVES FY15 & FY16	1ST QTR STATUS	2ND QTR STATUS
911		Reduce use of 911 for non-emergency calls by 25%	I	C
TELEPHONE ANSWERING & DISPATCH	Receives call and dispatches resources	Develop plan for Next Gen 911 technology, including telephone upgrade and console upgrade	N	X
	Maintains records and consoles	Improve Response to incoming 911 and 7-digit calls by 10% and improve coordination with EMS dispatch	I	C
RECORDS MANAGEMENT	Management of 911 Center	Automate billing for structure fires	N	X
		Develop plan for Consolidation with Genesee County Consortium	I	I
ADMINISTRATION		Work with Human Resources to create a new employment roster	N	X
		Working with Fire Department, create program and process for utilizing Fire Fighters on light duty at 911	C	C
		Complete state required training for all employees	I	I
		Complete Tower construction	I	C
		Eliminate Provisional Appointments/Fill vacancies permanently	N	X
		Strengthen relations with community groups by participating in 24 meetings each year	I	C
		Implement Quality Assurance program	C	C

FIRE DEPARTMENT

VISION Statement

A community educated on all matters related to fire safety and fire protection resulting in minimal damage and injury from fire incidents.

MISSION Statement

Utilizing available resources, the Flint Fire Department will respond quickly and effectively to fire calls, and will lead efforts to educate the community on all matters relating to fire safety and protection.

DIVISIONS	FUNCTIONS	KEY OBJECTIVES FY15 & FY16	1ST QTR STATUS	2ND QTR STATUS
FIRE				
ADMINISTRATION & EMERGENCY MANAGEMENT	Department Management, coordination of emergency management activities within city	Maintain average fire response time under 9 minutes in FY2015 and develop plan to reduce response time in FY16 to less than 6 minutes	I	I
		Turnaround time for Fire inspections to be 5 days or less	C	C
FIRE SUPPRESSION	Deployment of Fire Fighters to emergencies	Implement new organizational structure based on 75 full-time positions	C	C
FIRE INSPECTION & ARSON INVESTIGATION	Investigation of suspicious fires; conduct of commercial building inspections	100% Flint School children contacted and provided with fire safety and prevention program	N	C
		100% of Senior Centers provided with fire safety and prevention program	N	C
		100% of City Block Clubs provided fire safety and prevention program	N	I
COMMUNITY EDUCATION	Education of residents and businesses in fire prevention	At least 4 times per year, the Fire Department will provide the community with information regarding fire safety and prevention	C	C
		Evaluate and define role of the Fire Department in Emergency Management, with report provided to EM	C	C
		Reduce energy in Fire Departments by 20%	I	I
		Continue progressive training once per week	I	I
		Continued training for Suppression Personnel as technology develops for today's high-tech environment	I	I
		Implement physical fitness program	I	I
		"Knock and Talk" Fire Suppression Crews and Prevention Staff to distribute Arson Reward literature to 100% of residents	I	C
		Educate juvenile firesetters by providing one-on-one discussion with 10 juveniles	I	I

68th DISTRICT COURT

VISION Statement

The 68th Judicial District Court will be a leader among Michigan Courts in the provision of quality service, equal access to a fair and effective system of justice, and protection of the public's safety.

MISSION Statement

The 68th Judicial District Court will provide timely, fair, and impartial justice in all matters properly presented to the Court.

DIVISIONS	FUNCTIONS	KEY OBJECTIVES FY15 & FY16	1ST QTR STATUS	2ND QTR STATUS
DISTRICT COURT				
ADMINISTRATION	Overall Court Management	To comply with all Trial Court Performance Standards-Annually, as dictated by the State Court Administrative Office	C	C
JUDICIAL PROCESSING	Courtroom activities	Improve Court collections-Annual increases by way of Amnesty and Collections Agency, comparing results at the end of each fiscal year to the previous year	I	I
PROBATION	Provides oversight of probationers	Re-establish Probation Department with (1) Probation Officer	I	I

PUBLIC WORKS

VISION Statement

The vision of the Public Works Department is to be a well managed and well trained workforce that utilizes all available resources, technology, and collaborative means to maintain the City's above and underground infrastructure and facilities.

MISSION Statement

The Public Works Department is committed to the development of qualified managers and workers with consistent ongoing training, data driven decisions, and the creation of new job performance measurables.

The DPW will aggressively engage in strategic local and state level partnerships while continuously implementing new and improved technologies, procedures, and policies.

DIVISIONS	FUNCTIONS	KEY OBJECTIVES FY15 & FY16	1ST QTR STATUS	2ND QTR STATUS
UTILITIES	Water Treatment			
WATER TREATMENT PLANT	Water Distribution	Complete the electrical upgrades on Cedar Street Pumping Facility	I	I
WATER POLLUTION CONTROL	Distribution System Maintenance	Complete the engineering design work for the Hamilton Dam upgrades	I	I
WATER SERVICE CENTER	Sanitary Sewer Operation & Maintenance	Complete the rehabilitation of the Torrey Road Booster Station	I	I
	Storm Water Maintenance	Complete and implement a comprehensive pay scale evaluation for all WTP employees	I	I
	Dam Maintenance	Complete phase II (of III) of the WTP upgrade in preparation of transition to KWA	I	I
	Water Turn On's/Off's	Create GIS maps of utility assets (including base-layer)	N	N
	Cut & Plugs	Implement tracking program for main breaks and sink holes with monthly reporting	I	I
	Wastewater Treatment	Develop and implement a written and sustainable "water loss" program. Program is to target the identification of a "baseline" loss and create means to maintain a loss percentage of under 16%	I	I
	Industrial Pretreatment Compliance	Replace 3,000 residential meters	I	I
		Develop and implement a written root control matrix to reduce infiltration into the sanitary sewer systems	I	I
		Develop a written pipe replacement matrix that uses multiple criteria to identify the priority pipes to replaced annually	I	C
		Identify a consultant to write the scope for a comprehensive energy audit of all Utility facilities and send RFP	I	I
		Develop list of shared service opportunities with Genesee County Drain Commissioner and setup a meeting schedule for talks	I	C
		Complete the de-commissioning of the incinerator and construction of a load out facility at the Wastewater Treatment Plant	I	I
		Complete the upgrade plan of turning methane gas from the digester into energy	I	I
		Complete the development and use of web site access for residents to report main breaks	I	I
		Complete Cut & Plug list for hardest hit demolitions	C	C
		Implement defined response time policy for WSC	N	I
		Develop capacity to effectuate 100% of non-pay water shut-off notices	C	C
		Implement plan for improved inventory control as developed by the Finance Department by June 1, 2015	-	N
		Reduce incidence of water theft by 50% no later than June 30, 2015	-	I

PUBLIC WORKS
(continued)

DIVISIONS	FUNCTIONS	KEY OBJECTIVES FY15 & FY16	1ST QTR STATUS	2ND QTR STATUS
TRANSPORTATION	Maintenance and repair of sidewalks	Complete a sidewalk inventory that identifies the location and surface condition rating of all sidewalks within the City	N	N
STREET MAINTENANCE	Enforcement of Right-of-Way Ordinances	Implement a 50/50 Sidewalk Repair Program targeting enforcement of the Sidewalk Ordinance and repair of 500 sidewalk squares and repair of 1,000 squares	N	I
	Maintenance of City owned streets including paving, plowing and sweeping	Perform preventive maintenance activities on 15 miles of streets and pave 4.5 miles of streets in addition to preventive maintenance on another 15 miles of streets	I	I
	Maintenance of City street trees	Complete an inventory of city street trees	I	I
		Develop a Tree Maintenance plan that identifies the location of street trees, condition, risk factors, and schedule of planned maintenance activities over a six-year cycle	I	I
		Initiate a web-based application that will allow the public to electronically report pothole, street, street tree, and sidewalk complaints	C	C
CAPITAL PROJECTS ADMINISTRATION	Capital Improvement Projects (Planning and Management)	Develop and implement a written Public Participation Plan that details how the public will be engaged in the transportation planning process	N	N
		Invest $20,000 in non-motorized facilities by providing funding to secure preliminary engineering services for the Genesee Valley non-motorized trail project	C	C
		Develop a reconfiguration plan for Harrison Street and South Saginaw Street that includes facilities for multi-modal travel and traffic calming devices	I	I
		Identify a funding source to develop engineering plans to reopen Leith Street	N	N
TRAFFIC CONTROL	Maintenance of signs, traffic signals, and pavement markings	Perform an audit of all signalized intersections to identify unwarranted traffic signals and implement a preventive maintenance plan for traffic signals	I	I
	Barricading Activities/Special Events	Perform regulatory and warning sign upgrades in 3 areas of the City in FY15 and an additional 3 areas each year thereafter	I	I
		Complete construction of a road diet and addition of a bike lane along Harrison Street by September 1, 2015, contingent upon identifying of funding source by Planning & Development no later than July 1, 2015	-	N
SANITATION (Contract Management)	Monitoring of residential waste collection, composting, and recycling	Develop and execute a Compost Plan that will result in the processing and removal of compostable materials from the Chevy in the Hole site	C	C
		Issue Waste Collection Services RFP for new contract period	N	N
		Increase the City's recycling participation to 10% in FY15 and 12% in FY16	I	I
		Develop a recommendation on the feasibility of implementing a 96-gallon cart recycling program	I	I
		Monitor Waste Collection Services contractor's collection and disposal activities on a monthly basis to ensure compliance with contract provisions	I	I
		Formally evaluate performance of Waste Collection Services contractor	N	N
		Work with foundations, Police, and City partners to develop a new special event management protocol	C	C
		Provide timely instruction to public with respect to leaf collection process	C	C

PUBLIC WORKS
(continued)

DIVISIONS	FUNCTIONS	KEY OBJECTIVES FY15 & FY16	1ST QTR STATUS	2ND QTR STATUS
FACILITY MAINTENANCE	Maintenance of city facilities and grounds	Complete disposition of Police Academy, Fire Station, FAEC, McKinley, and Park Supply buildings	I	I
	Planning for optimal facility usage	Elimination of unneeded storage and relocation of employees into a permanent workspace	I	I
	Facilitating use of city facilities	Implement new staffing plan for Facility Maintenance	C	C
		Increase capacity for maintenance services through a wider network of support vendors	C	C
		Establish a contract management performance review that has a semi-annual written report	C	C
		Develop a comprehensive routine and preventive maintenance plan that documents areas of concern, structures the way we effectuate repairs, and supports the CIP.	I	I
		Develop 5-year capital improvement plan for City facilities and update annually thereafter	C	C
		Replace exterior City Hall lights with LED's and motion sensors	I	I
		Identify a vendor and a funding mechanism to provide an energy evaluation of the City Hall campus, producing a 2015 energy "baseline" in which to measure progress	I	C
		Modify 5-year Facilty capital improvement plan annually prior to the budget presentation to Council	I	C
		Complete the transition of senior center operations to other entities contracting directly with the County for operational support	C	C
CHEVY COMMONS		Infrastructure remediation and Storm Sewer discharge compliance	I	I
	Future usable green space	Development and Construction of Phase 1 Green cap	I	I
		Implementation of USDA Phytoremediation $400k grant	I	I
		Events Management	C	C
		Implement compost operations DEQ Consent Decree	I	I

PLANNING AND DEVELOPMENT

VISION Statement

The Planning and Development Department will partner with residents, businesses, and visitors to implement the Master Plan and help transform Flint into a safe, vibrant, sustainable, and healthy city.

MISSION Statement

The Planning and Development Department is committed to ensuring the public safety, health, and well-being of Flint's residents, businesses and visitors through targeted investment and rational, well-designed and physically integrated land use and development that advances economic prosperity, eliminates blight and stabilizes neighborhoods, protects the environment, and promotes a better quality of life in the City.

DIVISIONS	FUNCTIONS	KEY OBJECTIVES FY15 & FY16	1ST QTR STATUS	2ND QTR STATUS
CASE MANAGEMENT	Current Planning	Complete all plan reviews within 3 weeks and inspections within 72 hours	I	I
	Permitting	Implement a comprehensive form-based zoning code that streamlines the approval process for projects that adhere to the regulations	I	I
	Service Counter/Business Support	Process all planning applications within the prescribed time limits and minimize the number of discretionary cases to be reviewed quarterly thereafter	I	C
	Major Cases	Designate designated case manager to guide major projects through the City's determination process	C	C
		Complete acquisition of the Grand Traverse Greenway Trail	I	I
		Coordinate with Redevelopment Ready Communities to reorganize department procedures to provide a seamless case management process for new and existing businesses to help facilitate redevelopment	I	I
	Business Licensing	Implement P & D management of business licensing ordinance	I	I
		Achieve 25% licensing compliance in FY16	N	N
		Achieve 50% licensing compliance in FY17	N	N
		Achieve 90% licensing compliance in FY18	N	N
BLIGHT ELIMINATION & NEIGHBORHOOD STABILIZATION	Code Enforcement	Develop and implement a comprehensive code enforcement program	I	I
	Rental Registration	Implement an updated rental registration ordinance	N	I
		Achieve 25% rental registration compliance FY16	N	N
		Achieve 50% rental registration compliance FY17	N	N
		Achieve 90% rental registration compliance FY18	N	N
	Business License Enforcement	Secure funding and demolition assistance to demolish 1,200 homes and 80 commercial buildings each year for 5 years with progress measured annually	I	I
	Blight Elimination & Street Lighting Coordination	Secure formal commitment of at least 60 neighborhood groups and community organizations to maintain 2,000 vacant parcels	I	I

PLANNING AND DEVELOPMENT

(continued)

DIVISIONS	FUNCTIONS	KEY OBJECTIVES FY15 & FY16	1ST QTR STATUS	2ND QTR STATUS
COMMUNITY DEVELOPMENT & ECONOMIC DEVELOPMENT	Neighborhood Planning	Comply with all HUD regulations and time submission requirements for all reports	I	I
	Small Neighborhood Projects	Implement a grants management system utilizing BS&A to better track performance	I	I
	Fair Housing	Provide ongoing technical assistance and training to all sub-recipients and sub-contractors to insure full compliance and timely processing of payments	I	I
	Historic Preservation	Process all requests for economic development support (tax abatements, etc.) within prescribed time frames, to be monitored quarterly	I	I
	Program Management (CDBG, HOME)	Complete Smith Village development	I	I
		Sell all Smith Village and NSP homes	I	I
		Develop a policy review and recommendation report on the My Brother's Keeper initiative by February 2015 and develop and help launch the action plan by September 2015.	-	I
		Define the ongoing role for city involvement in economic development and present budgetary request for consideration in FY16 budget	I	I
	Economic Development	Implement a formally defined CDBG allocation process that is transparent and advances the goals of the Master Plan	C	C
	Major Development Projects	Complete a formal written comprehensive housing investment strategy to include a housing program that provides rehabilitation and home buyer incentives to encourage residents to move to or remain in Flint	I	I
	Workforce Development	Secure other sources of grant funding for entire department to increase available revenue by 10% per year, beginning with FY15	I	I
	Small Business Development	Respond in a timely manner to requests for assistance in expanding existing or attracting new businesses, with particular focus on small businesses and brownfields	I	I
		Implement the EDC Deficit Elimination Plan	C	C
	Oak Business Center & EDC	Attract new businesses to Oak Business Center to reduce vacancy rate to less than 15%	I	I
		Secure a monitoring and compliance contractor to allow staff to focus on proactive community development	I	C
LONG RANGE PLANNING	Master Plan Implementation	Develop a commercial investment framework based on the Master Plan	N	N
	Performance Management	In coordination with local, regional, and state economic development agencies, develop a formal long term strategy and role for the City government to help expand existing or attract new businesses, with particular focus on small businesses and brownfields; funding request to be presented for potential funding in FY16	I	I
	Transportation Planning	Create 8 subarea plans	I	I
	Public Safety Planning	Develop the City's first combined Capital Improvement Plan	I	I
	GIS Services	Hold annual engagement to discuss progress of Master Plan and solicit additional feedback on action plan	N	I
	Infrastructure Planning	Establish short-term (1-3 years) action plans for each chapter of the Master Plan	C	C
	Sustainability Planning	Develop between 10-15 neighborhood plans covering every residential area by 2020, at the rate of 20% per year	I	I
	Zone Changes	Develop a citywide sustainability plan	N	N
	Plan Amendments	Maintain on an ongoing basis updated demographic and housing data easily available to internal and external customers	I	I
		Develop a proposal for providing citywide Geographic Information Services to internal and external customers and implement plan	I	I
		Coordinate the implementation of at least 1 strategy in each chapter of the Master Plan every year, with progress measured annually	I	I
		Submit proposal to the EPA for a Brownfield Area wide Planning Grant or technical assistance grant to create a brownfield development for the area around the Chevy Commons	C	C
		Present blight elimination framework to the Planning Commission for adoption as part of the Master Plan Implementation	I	I
		Begin update of the Master Plan	N	N
		Complete a formal written blight elimination framework for neighborhoods	C	C
		Implement structure within P&D which has responsibility for developing a plan for improving street lighting within the City for managing the lighting special assessment and payment of bills	I	I
		Secure funding of a road diet and addition of a bike lane along Harrison Street per the Master Plan by July 1, 2015	-	I

PLANNING AND DEVELOPMENT

(continued)

DIVISIONS	FUNCTIONS	KEY OBJECTIVES FY15 & FY16	1ST QTR STATUS	2ND QTR STATUS
PARKS & OPEN SPACE	Parks Maintenance	Refine the City's parks classification system and develop service standards that align with the MDNR and the needs and desires of the Flint community	I	I
		Assure that all city parks are mowed at least twice per month based upon individual plan for land management; contractor performance to be reviewed on a quarterly basis	C	C
	Parks Planning	Complete a naturalization demonstration in Max Brandon Park and then 3 other parks	I	I
		Complete improvements to Riverbank Park and McKinley Park as specified in the MDNR grant	I	I
		Complete improvements to McKinley Park as specified in the MDNR grant	I	I
		Update the Parks and Recreation Master Plan with additional focus on park equity and enhancing recreational use of the Flint River and adjacent parks and open spaces	N	N
	Parks Partnership	Establish at least 3 "Adopt A Park" agreements every year; complete the establishment of the "Friends of Berston" group	I	C
		Work with the County to establish a joint maintenance agreement for at least one of the City's larger parks	C	C
	Parks Programming	Develop a management plan for the City's 4 golf courses	I	I
		Develop the plan to adjust the CANUSA Games Housing and field of play locations	N	X
	Open Space	Submit at least one grant proposal each year for MDNR funding	C	C
	Trail Development	Complete construction of the Genesee Valley Trail	I	I

FINANCE AND ADMINISTRATION

VISION Statement

A robust division capable of meeting the external and internal needs of the City of Flint in the areas of finance, treasury, assessments, human resources, information technology, and fleet.

MISSION Statement

To manage the financial and administration division of the City of Flint through promoting fiscal responsibility and industry best practices in order to respond to the needs of the City of Flint with efficiency and timeliness.

DIVISIONS	FUNCTIONS	KEY OBJECTIVES FY15 & FY16	1ST QTR STATUS	2ND QTR STATUS
FINANCE				
ACCOUNTING	Payroll Production & Reporting	Reduce the General Fund deficit by $1.8 million in FY15	C	C
		Reduce the General Fund deficit by $1.8 million in FY16	N	N
	Vendor Management and Payment	Convert to new fixed asset accounting and develop fixed asset policy	I	C
		Review rates and master fee schedule to ensure they are appropriately set	N	N
AUDITING	Monitoring Financial Performance	Develop plan for improving inventory control in Fleet and Utilities by May 1, 2015	-	I
		Implement Finance Department reorganization	I	I
	Preparation of Financial Reports	Audit completed and filed with state	I	C
BUDGETING	Monitoring Grant Performance	Schedule and conduct 4 city wide finance and accounting training sessions	I	I
	Accounting for Revenues and Expenses	Establish and implement internship program for Finance	I	C
RISK MANAGEMENT	Development of Long Term Financial Projections, Deficit Elimination Plans and Strategies for Financial Solvency	Establish a paperless process for procuring goods and services	I	I
		Prepare a RPF for copier services in FY15 in time to allow issuance of request before contract expires in FY16	N	N
PURCHASING	Administration of Property and Liability Insurances	Provide recommendations for updating procurement policies to be used during and after transition and to increase efficiencies	I	I
		Increase the usage of P-cards to boost the City's annual rebate by 15%, progress to be measured regularly	I	I
GRANT ADMIN	Selection and Monitoring of Benefit Program vendors	Establish management expectations of turn-around time on vendor payments, purchasing requests, position filling requests, and other areas; monitor performance, beginning with FY15 first quarter results to be evaluated and monitored monthly	I	I
		Establish formal process for reviewing, processing, and making timely decisions for applications on tax abatements	I	I
		Adopt stabilization ordinance and fund balance policy	I	I
		Establish expectations of turn-around time on purchasing requests and monitor performance, beginning with FY15 and evaluated quarterly	I	I
TREASURY				
CUSTOMER SERVICE		Identify additional $500,000.00 to $1,000,000.00 in unreported income tax, utilizing the 2011 State income tax data.	N	N
		Increase the collection of delinquent taxes by 15-20% through continued efforts to collect delinquent income tax and personal property taxes and by new efforts to collect delinquent Miscellaneous Receivables and Water bills	N	I
		Reorganize Customer Service to assure that after that time, that all utility bills are mailed two weeks prior to the due date, that checks are processed within 10 days from the postmark date; and that customer wait time in the office and on the phone are reduced by 25%	I	I
DELINQUENT COLLECTIONS		Replace the current vendor for processing electronic payments with Point and Pay in order to allow the City to accept water, property tax, miscellaneous receivables, special assessment and permit payments electronically	C	C
		Install a kiosk in the City Hall lobby in order to allow the City to accept water, property tax, miscellaneous receivables, special assessment and permit payments electronically	I	I
		Create description of City's efforts to manage delinquent water accounts while obtaining the City's financial goals and assisting those who are facing financial hardships	N	N
		Implement electronic income tax withholding	I	I
		Update City efforts to assist those unable to pay for utilities	N	N
		Re-examine efforts to assist individuals to pay utility bills	N	N
		Establish and implement an ongoing schedule of Customer Service", "Team Work" and "How to deal with difficult customer" training for all Treasury staff	I	I

FINANCE AND ADMINISTRATION

(continued)

DIVISIONS	FUNCTIONS	KEY OBJECTIVES FY15 & FY16	1ST QTR STATUS	2ND QTR STATUS
ASSESSING				
ASSESSORS OFFICE	Assessing of Properties	Determine schedule of staff training in Assessing.net as necessary and for annual compliance with state requirements during course of FY15, and annually thereafter.	C	C
	Administration of Valuation Appeals	Conduct comprehensive site inspections of residential and commercial tracts between April and November of each year in sufficient number annually to canvas 12 tracts annually.	I	I
	Processing of Poverty Exemption requests	Secure contract to achieve the conversion of remaining hard copy records and drawings to digital format utilizing APEX and/or digital scanning, with financial plan submitted for FY16 budget	I	I
	Provision of property and tax information to businesses and residents	Provide for the timely process of MTT appeals, and split/combination applications. 2012 and 2013 appeals will be completed by end of FY15 and appeals filed in 2014 will be resolved by end of FY16. The processing of splits and combination requests is required to be completed end of each year to be incorporated in the following year's assessment roll. *(Note: 2012 Complete)*	I	I
		Working with Facilities, finalize plan for relocating Assessing from its temporary site	I	C
	Maintenance of Property descriptions and tax rolls	Analyze options for lessening the workload impact of processing poverty exemption applications	C	C
		Participate with Planning and Development, IT, and others to develop the ongoing process for establishing and maintaining of the parcel layer for City GIS, and for providing GIS services to internal and external customers.	C	C
HUMAN RESOURCES		Utilize a master position list for confirming the need to recruit, promote or reduce employees	C	C
EMPLOYMENT	Recruitment and Selection	Update personnel rules and procedures, including ordinances	I	I
	Testing	Update testing protocols for recruitment/selection	I	I
	Contract Negotiations	Complete and Implement 1600 contract	C	C
		Complete and Implement FPOA contract	I	C
		Complete and Implement updated 1799 contract	I	C
		Complete and Implement updated IAFF contract	N	I
		Complete and Implement updated Capt/Lt contract	I	C
		Complete and Implement Sergeants contract	I	C
	Employment law allegations	Inform department heads and supervisors of contract changes prior to implementation	C	C
LABOR RELATIONS	Grievances and Arbitrations	Answer 100% of all new grievances within required time frames, measured with quarterly reports	I	I
	Benefit administration	Complete and Implement changes to Exempt and Appointed benefit programs	I	C
ENROLLMENT	Payroll enrollment and changes	Develop and implement ongoing training curriculum and schedule in conjunction with Department Heads	C	C
	FMLA oversight	Implement new FMLA process	I	C
	Worker's Compensation Administration	Implement new EAP program	C	C
	MIOSHA/OSHA Administration	Redesign Occupational Health and Safety Program for the City	N	N
WORKERS SAFETY	Employee Clinic	Administrative policies/procedures to be updated	I	I

C = Complete I=In Progress
X = Cancel N = Not Started

FINANCE AND ADMINISTRATION
(continued)

DIVISIONS	FUNCTIONS	KEY OBJECTIVES FY15 & FY16	1ST QTR STATUS	2ND QTR STATUS
FLEET				
ADMINISTRATION	Maintains fleet inventory	Monthly rental of Special Operations vehicles	I	I
		Evaluate and make recommendation of GPS tracking units for DPW and Utilities vehicles	I	C
		Update the replacement schedule to reflect replaced, required, and disposed of vehicles and equipment, to be used in preparation of annual budget for annual budget preparation	N	I
		Jib Winch for Traffic bucket truck	I	C
		Purchase 10 Front Plows for DPW snow removal	I	C
		Purchase one-man Leaf Vac truck for Street Maintenance	I	C
		Evaluate use of farm equipment tractor rentals recommended by DPW for winter snow removal	I	C
		Dump trucks for Utilities/DPW snow removal	N	N
		Add-on and auxiliary equipment for Enterprise Lease vehicles	N	N
SERVICE WRITING AND PARTS MANAGEMENT		FY14 & FY15 Lease Vehicles and Equipment	I	C
		Complete 100% audit of City owned vehicles and equipment, including condition to be used in preparation of the annual budget	N	N
VEHICLE AND EQUIPMENT REPLACEMENT, ADDITION, DELETION	Equips and repairs fleet	Complete the Fleet Focus software upgrade, install a mechanic workstation and bar code labels in the Stock Room	I	I
		Complete a Stock Room audit and enter all parts into the Fleet Focus software program	I	C
VEHICLE AND EQUIPMENT REPAIR		Distribute to departments, PM and DOT schedule detailing responsibility of departments and drivers for daily inspections, compliance with DOT requirements, and maintenance responsibilities.	I	I
	Recommends specifications of vehicles and equipment to be purchased	Monitor department and driver compliance with PM and DOT schedules and responsibilities on a quarterly basis	N	N
		Complete the bid process for DOT and PM services for heavy equipment and passenger vehicles	I	C
		Complete the bid process for vendor repair services, including 24-hour emergency response	I	I
	Develops and maintains vehicle and equipment replacement schedule	Complete evaluation and develop schedule annual departmental training needs and tool purchases	I	C
		Complete the bid process for alternate emergency fuel source	N	I
		Complete the sale and removal of the unused fuel tank at the Police Northside Precinct	C	C
		Determine if the fuel tank at Parks & Rec is still needed at this facility and take action accordingly.	N	I
		Complete the removal of underground storage tanks at Fire Station #3 and determine if the above ground storage tank at Parks & Rec can be utilized there.	I	I
		Recommend fueling station needs at current site	N	N
		Meet with all departments to discern fall and winter program needs.	C	C
		Meet with all departments annually to discern spring program needs.	N	N

FINANCE AND ADMINISTRATION
(continued)

DIVISIONS	FUNCTIONS	KEY OBJECTIVES FY15 & FY16	1ST QTR STATUS	2ND QTR STATUS
INFORMATION TECHNOLOGY		Implement Governance Model	I	I
	Oversees the design, purchase, implementation, and operation of the City's technology infrastructure, provides professional and technical advice to departments in utilization of technology, identifies and provides technology related training	Complete implementation of BS&A.net (BS&A implementation contract complete)	I	I
		Develop and schedule implementation of a telecommunications infrastructure upgrade	I	I
		Establish and implement a Technology Training Calendar for all employees	I	C
		Install 22 new fully functioning mobile data computers	I	I
		Maintain uptime for internet and intra net by 95% of the time, as measured by quarterly reports	C	C
		Reduce the number of shadow access systems by 40% (base number as of May 1, 2014)	I	I
		First issue resolution and same day resolution achieved for 70% of Help Desk tickets, as measured by quarterly reports	C	C
		Recommend vendor for Record Management System and propose funding and implementation strategy for inclusion in FY16 budget	I	I
		Complete a federally compliant IT Disaster Recovery and Security Plan	N	N
		Complete a Mobile Device Readiness Assessment	N	N
		Reduce telecommunication expenses by 30%	I	I
		Equip Mayor, Finance, South Bldg, Police and Fire Conference Rooms with access to technology	N	N
		Upgrade IT Training Room	I	I
		Develop plan to convert technology infrastructure to wireless	N	N
		Upgrade space housing IT servers etc.	N	N

IMAGINE FLINT

MASTER PLAN FOR A SUSTAINABLE FLINT

A Year in Review

January 7, 2015

A YEAR IN REVIEW - MASTER PLAN FOR A SUSTAINABLE FLINT

Since the adoption of the Master Plan on October 28, 2013, the community commitment to advancing the hundreds of strategies found in the plan has truly been amazing. Likewise, the City of Flint has fully embraced the Master Plan, relying on it heavily to develop the five-year strategic plan and two-year budget. Other Flint institutions and organizations have also revised their own strategic plans and priorities to align with the Master Plan. Perhaps most remarkable are Flint's residents who willingly volunteered thousands of hours and contributed a variety of resources to maintain parks, rehabilitate houses, and mow vacant lots in alignment with the Master Plan. As we review our 2014 achievements, it is important to highlight our biggest accomplishment: the creation of a new community culture around Master Plan implementation.

This document a Year in Review is more of a broad synopsis broadly highlighting the master planning work. However, due to our pledge regarding accountability and transparency, the Department of Planning and Development (DPD) will work with the Planning Commission, Steering Committee, and other stakeholders to more accurately quantify the impact of the Master Plan. In February, the DPD will present a draft Annual Report to the Planning Commission for further vetting and ultimate approval for widespread distribution. Even in a more detailed annual report, we recognize that it will be difficult to quantify the collective community impact aligned with the Master Plan.

In drafting this synopsis, we took a very conservative approach in quantifying the impact. The total number of projects identified is tied directly to a Master Plan strategy and involves mostly new grants or shifts in funding to accomplish a specific strategy. In a few instances, the synopsis includes grants awarded to an entity other than the City. In these circumstances, the City was closely involved in securing the grant, but felt the partnering agency was better positioned for implementation.

Over the course of 2014, **118 Master Plan strategies were initiated with an estimated of nearly $15 million.**

2014 accomplishments that have a larger impact that the chapters outline below include:

- Selection by the White House as one of seven Strong Cities, Strong Communities. The initiative is providing additional federal staff support to help implement the Master Plan
- Development of a draft Zoning Code, which will be vetted by the community in early 2015 and transmitted to City Council for consideration in the spring
- Creation of new financial policies and ordinances and ongoing strategic planning to ensure the City operates in an open and financially stable manner

It goes without saying that the achievements outlined in the following pages are really the community's achievements. In particular, we want to thank the Mayor and City Council, Planning Commission, Master Plan Steering Committee, and Implementation Task Groups who continue to guide the Master Plan Implementation.

CIVIC ENGAGEMENT

Civic engagement and community outreach remains at the forefront of Master Plan Implementation. Built through extensive public interaction over the duration of the planning process, trust with Flint residents and community members continues to drive our work. Transparency, accountability, active public participation and collaboration were identified as the key characteristics to uphold a high level of civic life, one of the 6 Guiding Principles identified by Flint citizens throughout *Imagine Flint*.

Over the course of 2014, the City:

- Partnered with 45 neighborhood and block-based groups
- Hosted over 75 public meetings and community events and engaged over 1,500 unique individuals
- Convened and facilitated 34 Implementation Task group meetings connecting with 78 individuals monthly on master plan implementation
- Partnered with Flint Community Schools to host a 21st Century town hall meeting on Community Education, nearly 300 individuals
- Trained and recruited over 50 volunteers for community wide events
- Hosted 2, interactive design-charrettes for planning processes
- Hosted 3 Capital Improvement Meetings drawing over 80 participants
- Launched the "My Brother's Keeper" initiative, engaging over 180 individuals
- Reached 995 "likes" on Facebook, reaching over 1,000 individuals weekly
- Averaged over 50 "hits" weekly on the Imagine Flint website
- Released 11 unique newsletters, reaching over 218 individuals per mailing and generating 2,407 "reads"
- Hosted 11 monthly Steering Committee meetings, attracting over 400 members of the public

Civic Engagement Spotlight:
Imagining Community Education - A 21st Century Town Hall Meeting

In response to the feedback regarding Community Education throughout the master plan process, Flint Community Schools and the City of Flint partnered together to host a first-of-its-kind workshop around Community Education in Flint Schools. Aimed at identifying what Community Education means to Flint residents, participatory tools and technology were used to form consensus, generating real-time polling through small group discussion and data collection.

The workshop presented a tremendous opportunity for residents to assist the Flint Community Schools with crafting a vision for the future of a sustainable model of community education in Flint and addressed a primary strategy in chapter 9 of Imagine Flint: "The reinstitution of a sustainable form of community education through K-12 schools, community centers, and early learning sites". **Over 250 individuals attended** with 78% identifying as Flint residents.

Imagining Community Education Event

HOUSING & NEIGHBORHOODS

Throughout the Master Planning process, it was clear that residents and stakeholders wanted the City to concentrate its efforts on neighborhood stabilization and blight elimination. Thus, the City crafted its Blight Elimination Framework and focused most of the implementation efforts around neighborhood clean-ups, mowing, demolition, and housing rehabilitation. Realizing that better data and planning was needed to more effectively target investment, the City secured funding for a target housing market analysis, received an allocation of eight AmeriCorps VISTAs, and applied for two neighborhood planning grants.

16 Housing & Neighborhoods projects have been undertaken with an estimated value of **$4.8 million** involving support of **51** neighborhood groups and community organizations.

Project Highlights include:

- Development of a CDBG funded neighborhood mini-grant program to distribute more resources to local, grassroots revitalization efforts
- Coordination with the Land Bank, FARO, Diplomat and the neighborhood residents in securing an additional $2,600,000 for demolition in the Civic Park Neighborhood
- Completion of a citywide neighborhood assessment including 51,607 parcels and auditing 11,478 street lights

Housing & Neighborhoods Spotlight: Beyond Blight 5-Year Elimination Framework

A key strategy within the Housing & Neighborhoods Chapter, the Beyond Blight Elimination Framework was released in 2014. The detailed and data-driven plan lays out an aggressive approach to eliminate blight in Flint within 5-years by focusing on seven key activities for blight elimination. These include: demolition, code enforcement, waste removal, mowing, boarding, vacant lot reuse, and building rehabilitation and redevelopment.

As the five-year cost of removing blight in Flint is estimated at roughly $112 million, the Framework proposes collaborative blight elimination between residents, local government, institutions, community groups, and businesses and developers. It also recommends priorities and strategies for eliminating blight in Flint in alignment with the City's land use plan. A six-month engagement effort occurred after the draft framework was released, with staff hosting 16 gatherings attended by more than 500 individuals. Blight budgeting and mapping exercises were utilized to create highly interactive settings with participants.

Volunteering in the Community

TRANSPORTATION & MOBILITY

The Master Plan understands the importance of establishing a sustainable, modern, and safe, multi-modal transportation network that efficiently provides for the needs of all people and businesses. Working towards this vision, plan implementation focused on trail construction and acquisition, complete street development, wayfinding and pedestrian improvements, and strategic coordination with the MTA.

10 Transportation & Mobility projects with an estimated value of over **$1.4 million** and involving **6** neighborhood groups and community organizations have been initiated.

Project highlights include:

- Initiation of the City's first walkability audit carried out by the implementation task group
- Kick off on construction of the the Genesee Valley Trail including over $700,000 of MDOT and CDBG funding
- Design work for complete street conversion of Harrison and Saginaw Streets

Transportation & Mobility Spotlight:
Grand Traverse Greenway Trail Place Plans Initiative

The Greenway Trail is a 3-mile long former rail line that the City is working to acquire and convert to a non-motorized public trail through support from MDNR, MDOT, MSHDA and the Michigan Municipal League. The City and South Saginaw Task Force were awarded a Place Plan designation to guide a community-led design process. They also created a conceptual design that would provide a sense of connection between places along the trail, as well as support both recreational needs and safety interests. Over 70 different individuals were engaged through the multiple meetings and the Place Plan grant was matched through a $6,000 donation from Diplomat Pharmacy. In all an estimated $700,000 worth of investment has been contributed to the project.

Greenway Trail Community Event

ENVIRONMENTAL FEATURES, OPEN SPACE & PARKS

Plan implementation focused on establishing Flint as a proactive environmental leader with a clean, healthy, and equitable system of parks, waterways, and open spaces. To facilitate this goal, the newly formed Department of Planning & Development assumed the day-to-day responsibilities of parks maintenance, programming and improvements in July. With limited funding and staff resources, the new department formalized dozens of partnerships to help maintain and construct public improvements within Flint's network of parks and open space.

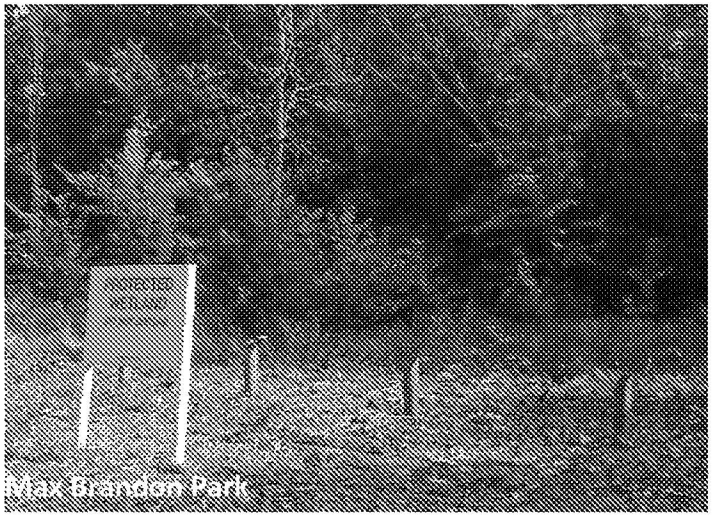
20 Environmental Features, Open Space & Park projects were kicked off representing an estimated value of over **$1.4 million** involving partnerships with **18** neighborhood groups and community organizations.

Project highlights include:

- The Max Brandon Eco-Park Initiative
- Park Management Agreements with Crim Fitness Foundation, Genesee County Parks and Recreation, and Genesee Conservation District
- Park stewardship initiatives such as the City Adopt-a-Park partnership with Keep Genesee County Beautiful and neighborhood-led park planning efforts in Brennan Park

Environmental Features & Parks Spotlight: Max Brandon Eco-Park Project

The Max Brandon Eco-Park Project is a 2-year initiative, generously funded through grants from GLAA-C and the Ruth Mott Foundation. As one of the first *Imagine Flint* implementation projects, this $87,500 initiative implements numerous strategies of the Master Plan, including the healthy maintenance of urban woodland, wetland expansion for storm water retention, and habitat restoration through the removal of invasive species and planting of native vegetation. As a collaborative, community based initiative, the Max Brandon Eco-Park project has involved the cooperation of 7 neighborhood groups and community organizations, including the Friends of Max Brandon Park, Salem Housing, Crim Fitness Foundation, Genesee Conservation District, and Genesee County Parks, and has involved the engagement of dozens of residents and community members.



Max Brandon Park

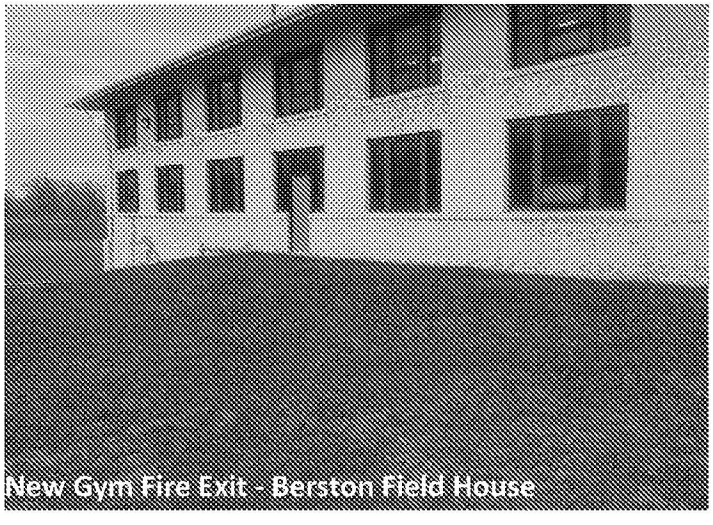
INFRASTRUCTURE & COMMUNITY FACILITIES

Aging infrastructure coupled with years of deferred maintenance and a lack comprehensive capital improvement planning have further weakened Flint's utility system, adding to the high costs of water and sewer services. Recognizing that better capital improvement planning can improve the efficiency, reliability, and longevity of our infrastructure including water distribution, the Department of Planning & Development in concert with the Department of Public Works drafted the City's first comprehensive Capital Improvement Plan (CIP). This Plan is scheduled to be presented to the City Council by February 2015 for adoption.

In addition to the development of the CIP and approximately $16 million in City capital improvements, **18 Infrastructure & Community Facilities projects** were launched in 2014 with an estimated value of nearly **$200,000** and support of **6** neighborhood groups and community organizations.

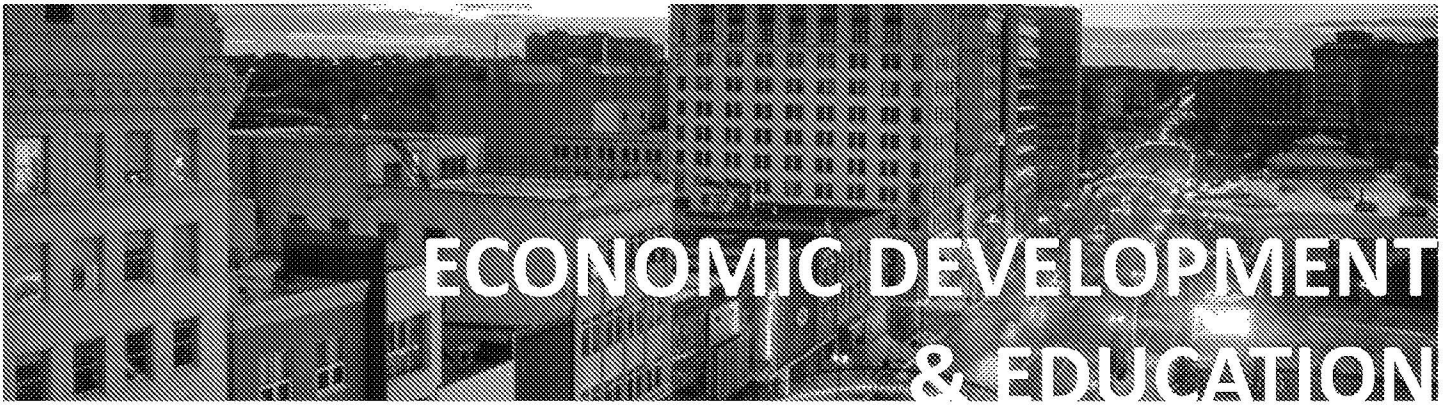
Project highlights include:

- CDBG funding for programming and improvements at the Haskell Youth Center through the Flint Police Activities League (PAL) and Boys and Girls Club
- Formation of the non-profit organization Friends of Berston with over $100,000 in capital improvements to Berston Field House through CDBG funding
- Conversion of 50 sodium and mercury street lights into new, high-efficiency LED bulbs in the Central Park Neighborhood saving the City over $2,500 annually. *This is the first LED streetlight conversion that Consumer's Energy has ever installed.*



New Gym Fire Exit - Berston Field House

LED Streetlight in Flint



ECONOMIC DEVELOPMENT & EDUCATION

In 2014, the community strongly coalesced around the Objective #1, Strategy #1 in the Master Plan "re-instituting a sustainable form of community education through K-12, early learning centers, and community centers". As a result, the Mayor and Department of Planning & Development, several community-based organizations, and Flint parents and students committed to working with Flint Community Schools in piloting a community education program at the Brownell/Holmes STEM Academy.

Another education focus this year was literacy. The City contributed significant CDBG resources to Mott Community College for the establishment of the Flint & Genesee Literacy and Basic Skills Network. Through this network, dozens of community stakeholders are helping improve coordination and increasing resources for literacy.

The City has played a vital role in spurring economic development through business attraction, economic development incentives, and case management services. In 2014, the City supported the creation of more than 300 jobs and $850 Million in capital investment and collaborated with regional partners on the development of a Regional Prosperity Plan and Comprehensive Economic Development Strategy. The City has also begun an internal re-organization of its zoning, permitting, and licensing services resulting in better response times. In 2015, the Planning & Development Department will expand online licensing services, create a centralized business counter, and enhance case management services with the goal of receiving Michigan Economic Development Department (MEDC)'s "Redevelopment Ready" certification. **18 Economic Development & Education projects** have been undertaken with an estimated value of **$4.8 million**.

Project highlights include:

- Organization of a 21st Century Town Hall meeting on community education in partnership with Flint Community Schools with nearly 300 participants
- Award of a $2.6 million grant for reconstruction of two critical street segments around Buick City
- Ongoing collaboration with the Flint & Genesee Literacy Network and commitment of nearly $230,000 in CDBG funding for literacy programming
- Award of an EPA grant in the amount of $1.9 million for the construction of a vegetative cap over a brownfield known as Chevy-in-the-Hole

Under Construction - GM Paint Facility

PUBLIC SAFETY HEALTH & WELFARE

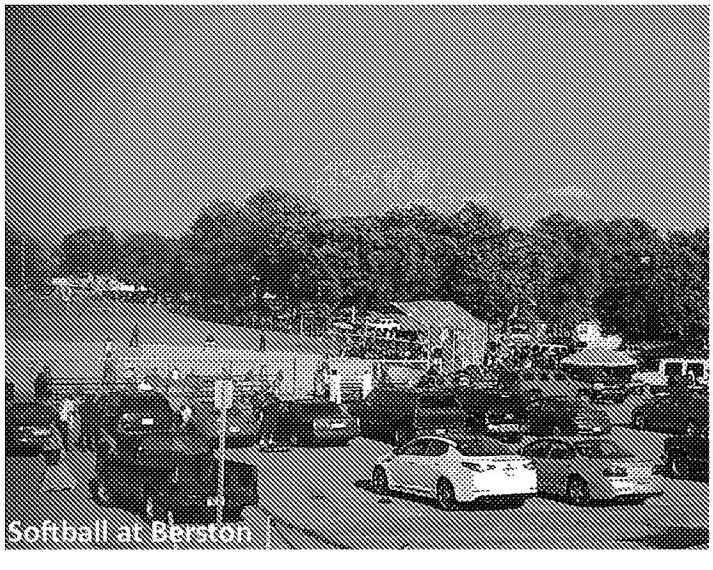
This year, the City has focused on improving efficiency of the Police and Fire Departments, particularly through advances in technology and community involvement. Upgrades to communication systems, better usage of data to target resources, and improved collaboration between law enforcement agencies have helped the City achieve significant reductions in violent crime and arson. For example, in 2014, the City achieved a 42% reduction in homicides from 2013. Moreover, the City has made tremendous strides in rebuilding trust between police and residents, resulting in additional community partnerships such as the newly established Citizens Radio Patrol. This improved community collaboration is generating more leads, more arrests, and solved cases.

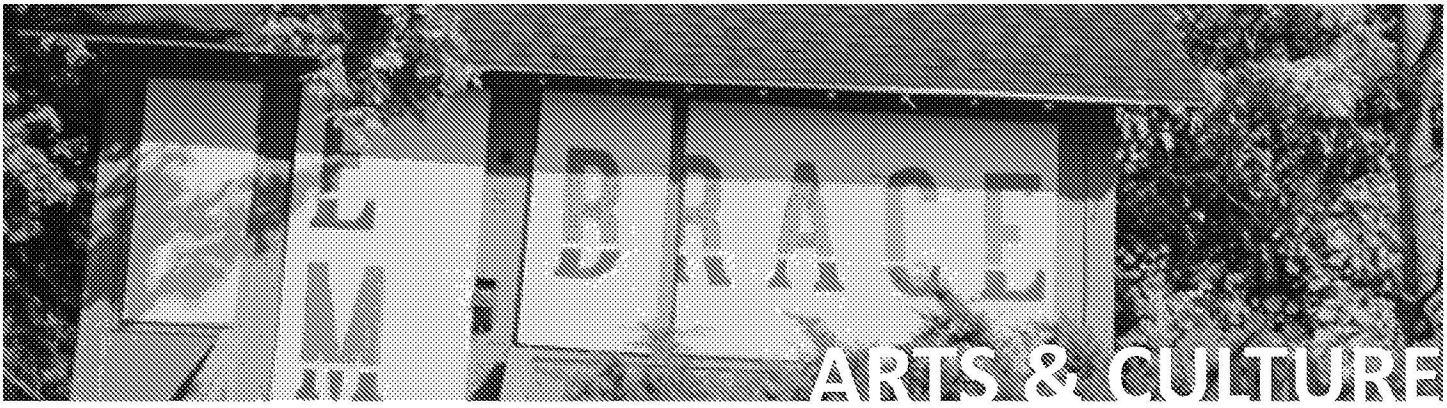
Joy Tabernacle Members

Currently, **26 Public Safety, Health & Welfare projects** have been initiated with an estimated value of over **$2.4 million**.

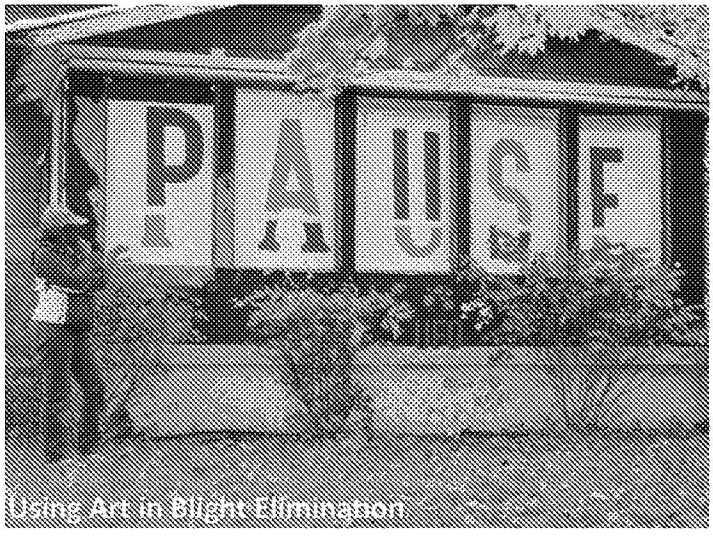
Project highlights include:

- Construction of a $1.4 million 911 dispatch and communications tower
- Launching of crimemapping.com software to provide easy access to crime data for residents and establishment of a new Citizens Radio Patrol Program
- Award of $1,000,000 from the Justice Department to Kettering University to address safety and crime in the University Avenue Corridor.


Softball at Berston



Over the course of 2014, numerous Flint art and cultural institutions have embraced the Master Plan, expanding offerings to Flint residents and providing free space for Master Plan meetings and events. Many of these institutions have also begun working with Flint Community Schools to reach out to more Flint youth and define their involvement in community based education. At this point it is hard to quantify the overall value of these contributions, but it is clearly in the hundreds of thousands.



Using Art in Blight Elimination

In addition to the related work of these larger arts and culture institution, **10 grassroots Arts & Culture projects** have been undertaken with an estimated value of over **$20,000**, involving the support of **2 neighborhood groups** and community organizations. The City has also partnered with **5 local arts & cultural organizations** to provide access to arts & cultural opportunities in City parks and community centers and provided significant input into the development of the Cultural Center Master Plan.

Project highlights include:

- Partnership with the Flint Public Art Project on the integration of public art within Master Plan subarea locations
- Expansion of more arts & cultural programming in the Neighborhood Center place type and within other neighborhood venues accessible to more residents
- Input in the development of the Cultural Center Master Plan to ensure alignment with the City's Master Plan

Communities First- Culture Shock

From: Workman, Wayne (TREASURY)
Sent: Friday, February 27, 2015 6:04 PM
To: Muchmore, Dennis (GOV)
Cc: Clement, Elizabeth (GOV); Hollins, Harvey (GOV); Saxton, Thomas (Treasury); Stanton, Terry A. (Treasury); Storberg, Ann Marie (TREASURY)
Subject: Re: PRESS RELEASE: Recent Tests Show Flint Water within EPA Guidelines

Dont know but i would drink it

Sent from my iPhone

On Feb 27, 2015, at 6:02 PM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:

> Does it still smell?
>
> ---
>
> **From:** Workman, Wayne (TREASURY)
> **Sent:** Friday, February 27, 2015 5:15 PM
> **To:** Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Hollins, Harvey (GOV); Saxton, Thomas (Treasury); Stanton, Terry A. (Treasury); Storberg, Ann Marie (TREASURY)
> **Subject:** Fwd: PRESS RELEASE: Recent Tests Show Flint Water within EPA Guidelines
>
> In case you did not see this. Will be reviewing Water System info over the weekend. Maybe something Monday, Tuesday latest. I need to edit also. Wayne
>
> Sent from my iPhone
>
> Begin forwarded message:
>
> > **From:** Jason Lorenz <jlorenz@cityofflint.com>
> > **Date:** February 27, 2015 at 4:29:04 PM EST
> > **To:** Jason Lorenz <jlorenz@cityofflint.com>
> > **Subject: Re: PRESS RELEASE: Recent Tests Show Flint Water within EPA Guidelines**
> >
> > Attached is the release with the proper date.
> >
> > **For Immediate Release**
> >
> > ## Recent Tests Show Flint Water within EPA Guidelines
> >
> > ***Flint, Michigan – February 27, 2015*** – The Michigan Department of Environmental Quality (MDEQ) Testing lab has provided results to the City of Flint showing that

test results for TTHM levels for the month of February are well within EPA guidelines for safe water. All eight testing sites showed levels of TTHM ranging between 14.9 and 28.5 micrograms per liter (µg/L), well below the Maximum Contamination Level of 80 (see chart below).

The testing results confirm the progress made by the City to address concerns regarding the safety of its water supply and corroborates findings by the City and independent tests by other organizations that the water today is safe. "Flint's water supply is meeting all safety guidelines set forth by the EPA," said DPW Director Howard Croft. "Today's findings by the MDEQ reinforce the progress we have made, and should help rebuild confidence in the safety of Flint's drinking water. We still have work to do to improve water quality and are committed to being vigilant to assure that water safety is maintained."

These results also show that the four month average for test results is now within EPA guidelines for five of the eight testing areas in the City. However, because EPA regulations require that the four month average for all testing sites be within guidelines, the City of Flint will still be considered to be out of compliance by MDEQ. The City expects to receive notice within the next few weeks indicating non-compliance, and system users can expect to receive official notice of non-compliance in the month of March.

Meanwhile, the City continues to work on maintaining water safety and improving water quality. While steps are being taken daily to improve quality, the City is expecting a formal set of recommendations from its water quality experts within the next few weeks.

The detail of the study results, a report of the progress being made and preliminary recommendations from Veolia will be shared with the newly formed Water Advisory Committee and Water Technical Committee, whose first meetings are scheduled for next week.

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

On Fri, Feb 27, 2015 at 4:04 PM, Jason Lorenz <jlorenz@cityofflint.com> wrote:

Recent Tests Show Flint Water within EPA Guidelines

Flint, Michigan – March 2, 2015 – The Michigan Department of Environmental Quality (MDEQ) Testing lab has provided results to the City of Flint showing that test results for TTHM levels for the month of February are well within EPA guidelines for safe water. All eight testing sites showed levels of TTHM ranging between 14.9 and 28.5 micrograms per liter (µg/L), well below the Maximum Contamination Level of 80 (see chart attached).

The testing results confirm the progress made by the City to address concerns regarding the safety of its water supply and corroborates findings by the City and independent tests by other organizations that the water today is safe. "Flint's water supply is meeting all safety guidelines set forth by the EPA," said DPW Director Howard Croft. "Today's findings by the MDEQ reinforce the progress we have made, and should help rebuild confidence in the safety of Flint's drinking water. We still have work to do to improve water quality and are committed to being vigilant to assure that water safety is maintained."

These results also show that the four month average for test results is now within EPA guidelines for five of the eight testing areas in the City. However, because EPA regulations require that the four month average for all testing sites be within guidelines, the City of Flint will still be considered to be out of compliance by MDEQ. The City expects to receive notice within the next few weeks indicating non-compliance, and system users can expect to receive official notice of non-compliance in the month of March.

Meanwhile, the City continues to work on maintaining water safety and improving water quality. While steps are being taken daily to improve quality, the City is expecting a formal set of recommendations from its water quality experts within the next few weeks.

The detail of the study results, a report of the progress being made and preliminary recommendations from Veolia will be shared with the newly formed Water Advisory Committee and Water Technical Committee, whose first meetings are scheduled for next week.

See Attached. Areas in blue (under February) indicate current levels.

–END–

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Tuesday, March 03, 2015 2:00 PM
To: Kapp, Gene (MSP); Muchmore, Dennis (GOV); Roberts, John (DTMB); Dempkowski, Angela (Treasury); Baird, Richard (GOV); Carter, Jerry (MSP); Deasy, Thomas (MSP); Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Etue, Kriste (MSP); Hollins, Harvey (GOV); Hill, Darryl (MSP); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); Lee, Nichole (MSP); McGowan, Emmitt (MSP); Smith, Paul (GOV); Byrne, Randall (Treasury); Sands, Thomas (MSP); Sipes, Stephen (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY); West, Samantha (GOV)
Subject: Bi-Weekly Conference Call Agenda
Attachments: Agenda for Conference Call with Treasury 030415 (1).pdf

Good afternoon,

Please find attached the agenda for the conference call scheduled for **Wednesday, March 4th at 9:00 am.**

Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Gerald Ambrose, Emergency Manager
Natasha Henderson, City Administrator
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

City of Flint Wednesday 9:00am Phone Conference Agenda

March 4, 2015

Redacted

	Last Report	Status
1) Public Safety Update – FPD, MSP, (FFD, if needed)	Redacted	
2) Governor's Office Update – R. Baird, H. Hollins, B. Clement		
3) Finance and Administrative Update		

	Last Report	Status
4) City Council Update	Redacted	
5) Water Issues		
a) MDEQ Violation Notice	Most recent TTHM sampling was tested by the MDEQ - confirmed our most recent internal tests findings that water is within federal/state guidelines. Expect to receive a violation notice from MDEQ, due to the running average calculation, in 7-10 days. The notice to customers will go out by mid-March.	Update
b) Drinking Water Revolving Fund	Discussing possible restructuring of loans.	Discussion ongoing
c) Water Quality Consultant	Final report being compiled; will focus on assuring continued TTHM compliance and plans for hardness and discoloration improvement.	Update
d) WAC/TAC	A 40 member Water Advisory Committee and a 13 member Technical Advisory Committee (including an EPA representative)have been formed as part of the process of improving communication and receiving additional feedback. Meeting this week.	Update
e) Problem resolution	Letter from EM to Treasury notes that the basic problem with water in Flint is cost, not water quality, but that no quick resolution is evident	New

	Last Report	Status
6) 9-1-1 Reconsolidation Plan	Redacted	
7) Transition Activities		
8) Other Items		

From: Clayton, Stacie (GOV)
Sent: Friday, March 06, 2015 2:12 PM
To: Baird, Richard (GOV); Muchmore, Dennis (GOV); Clement, Elizabeth (GOV)
Cc: Hollins, Harvey (GOV)
Subject: FW: Flint Water Meeting
Attachments: SomnioGlobal_Ozone disinfection technology.pdf

Just an FYI – the meeting Rich asked Harvey to arrange will be on Monday at 1pm in Lansing. Please see below. -- Stacie

---

From: Clayton, Stacie (GOV)
Sent: Friday, March 06, 2015 2:05 PM
To: Hollins, Harvey (GOV); 'Gerald Ambrose'; 'Maxine Murray'; Thelen, Mary Beth (DEQ); Wurfel, Brad (DEQ); Devereaux, Tracy Jo (DEQ); Busch, Stephen (DEQ); 'Natasha Henderson'; Shekter Smith, Liane (DEQ)
Subject: Flint Water Meeting

Greetings All,

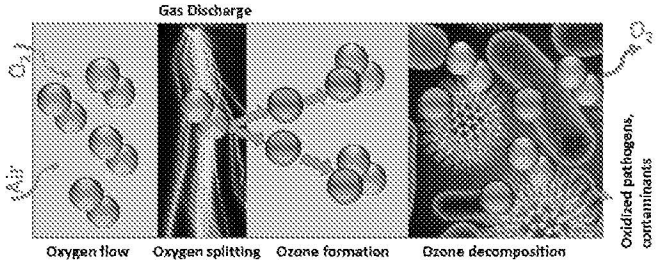
Attached is a brief overview of the information to be presented on Monday at the 1:00pm meeting with Steve Linder of the Sterling Corporation regarding Flint Water. The meeting will be held at the Sterling Corporation's offices on 106 W. Allegan, Ste. 2 in Lansing. I have sent the appointment and here are the list of attendees:

Harvey Hollins, Director, Governor's Office of Urban and Metropolitan Initiatives
Gerald Ambrose, Flint Emergency Manager
Natasha Henderson, Flint, City Manager
Liane Shekter Smith, Chief, Office of Drinking Water and Municipal Assistance (DEQ)
Stephen Busch, Office of Drinking Water and Municipal Assistance (DEQ)
Brad Wurfel, Director of Communications (DEQ)

Chemical Free Water Disinfection by Ozone

Today about 98% of water treatment facilities in the U.S. use some form of chlorine to disinfect drinking water supplies. It is a cost effective method for destroying potentially harmful bacteria and viruses. However, chlorine's ability to interact with organic compounds in water leads to trihalomethanes (THMs) formation. Especially, river or lake water with high level of organic matter require heavy chlorination to combat high level of bacteria, resulting in dangerous levels of THMs and bad smell. THMs, when ingested can encourage the growth of free radicals that can destroy or damage vital cells in the body. Besides cancer, exposure to THMs has been linked to other health issues including asthma, eczema, heart disease and higher miscarriage and birth defect rates. Further, high level of chlorine also poses serious risk to the aging infrastructure.

Chemical free water disinfection technologies such as UV light and ozone have long been recognized to be much safer than chlorination, however, their high cost has prevented wider adoption. The basic mechanism of ozone generation and disinfection is shown in the picture. Ozone has a high oxidation potential (much higher than chlorine) and a superior response time compared to other sanitizing products. Its high oxidizing potential enables ozone to break down organic matters that chlorine cannot. Some pollutants can only be oxidized by ozone. For example, ***Cryptosporidium Parvum***, a drinking water pollutant, is resistant to most disinfectants, but is effectively destroyed by ozone. Most importantly, the emission from ozone is pure oxygen and it leaves no residues.



UV light is a competing non-chemical sterilization technique. Intense UV rays break down the sensitive RNA and/or DNA of microorganisms, thus preventing the organism from reproducing. Ozone, on the other hand, oxidizes the microorganisms, thus destroying their cells completely. UV sterilization being a line of sight process, to be effective, one needs to remove most of the suspended matter prior to the treatment. In contrast, ozone oxidizes the soil or particulate matter, changing or destroying the chemistry of the soiling materials such as organic compounds.

Despite the great benefits of ozone, its widespread adoption is limited due to the high total ownership cost of current commercial ozone generators. Somnio's $AiR_2O_3^{TM}$ ozone generator is a paradigm shift in ozone generation technology. The first and only commercial barrier less ozone generator eliminates the requirement of dielectric barriers and highly filtered dried oxygen (pure or enriched) supplies, which restrain current commercial ozone generators. This groundbreaking technology brings a market-competitive, robust, energy efficient, and scalable modular device that offers a financially attractive alternative with the capability of producing varying levels of ozone depending on the application at hand.

Producing ozone cost effectively is only part of the greater story of the far reaching benefits of ozone. Applying ozone effectively for a given application requires careful and intelligent design, sensing and monitoring. In addition to its revolutionary $AiR_2O_3^{TM}$ ozone generator, Somnio

collaborates with end users to provide complete and economical turnkey solutions. Somnio's current in-house test plant incorporates all necessary safety features and automation.

From: Wurfel, Sara (GOV)
Sent: Tuesday, March 10, 2015 5:17 PM
To: Brader, Valerie (GOV); Clement, Elizabeth (GOV)
Subject: FW: DEQ report

FYI

From: Wurfel, Brad (DEQ)
Sent: Tuesday, March 10, 2015 12:06 PM
To: Murray, David (GOV); Agen, Jarrod (GOV); Wurfel, Sara (GOV)
Cc: Holton, Jennifer (MDA); Golder, Edward (DNR); Wyant, Dan (DEQ); Thelen, Mary Beth (DEQ); Tommasulo, Karen (DEQ)
Subject: PIO report

Sorry I missed the meeting. Had a couple conflicts. Here's what I want to share with you:

1.
2. Redacted
3. **Flint Water:** had a meeting yesterday with a company Baird put in the room to discuss their ozone technology. It was a good conversation but a non-starter for several reasons (Flint already has an Ozone system to modify its water, this company hasn't had its system certified for use on public drinking water supplies, and the problem they propose to address is not at the water plant but throughout various sections of the distribution system). More broadly, Harvey is looking for a 'thing' the state can be doing for Flint that will position SOM / RS positively. Suggestions range from handing out home water filters (think Britta faucet mount) to passing out jugs of water. After consulting with our experts in the Drinking water program, what we've really come to at DEQ is that if there's funding from treasury (or some charitable donor foundation), the best short-term use of dollars would probably be to hire a company to 'pig' the lines in the distribution system. This is a routine maintenance activity in municipal systems that involves an in-line device under pressure that clears funk out of the lines. **The good news on Flint**: Flint EM Jerry Ambrose noted yesterday that the city has some work to do on its system in the weeks ahead; the TTHM issue is quickly going away; the 'brown water' folks are loud but really few in number; the consultants are doing their work to make suggestions to help the city prioritize its needs; and, broadly, nobody seems to be targeting the administration recently.

4.

5. Redacted

6.

WYANT THIS WEEK:

Redacted

Call me with questions. Thanks, and have a great week.
b

Brad Wurfel
Communications Director
Michigan Department of Environmental Quality
517-284-6713
Redacted

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Tuesday, March 17, 2015 2:51 PM
To: Kapp, Gene (MSP); Muchmore, Dennis (GOV); Roberts, John (DTMB); Dempkowski, Angela (Treasury); Baird, Richard (GOV); Carter, Jerry (MSP); Deasy, Thomas (MSP); Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Etue, Kriste (MSP); Hollins, Harvey (GOV); Hill, Darryl (MSP); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); Lee, Nichole (MSP); McGowan, Emmitt (MSP); Natasha Henderson; Smith, Paul (GOV); Byrne, Randall (Treasury); Sands, Thomas (MSP); Sipes, Stephen (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY); West, Samantha (GOV)
Subject: Bi-Weekly Conference Call Agenda
Attachments: Agenda for Conference Call with Treasury 031815.pdf

Good afternoon,

Please find attached the agenda for the 9:00 am conference call scheduled for **Wednesday, March 18, 2015.**

Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Gerald Ambrose, Emergency Manager
Natasha L. Henderson, City Administrator
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

City of Flint Wednesday 9:00am Phone Conference Agenda

March 18, 2015

Redacted

	Last Report	Status
1) Public Safety Update – FPD, MSP, (FFD, if needed)	Redacted	
2) Governor's Office Update – R. Baird, H. Hollins, B. Clement		
3) Finance and Administrative Update		

	Last Report	Status
4) City Council Update	Redacted	
5) Water Issues		
a) MDEQ Violation Notice	Most recent TTHM sampling was tested by the MDEQ - confirmed our most recent internal test findings - that water is within federal/state guidelines. Received the violation notice from MDEQ, due to the running average calculation. The notice to customers will go out by mid-March, with more information included and medical community participation.	Update
b) Drinking Water Revolving Fund	Discussing possible restructuring of loans.	No Change
c) Water Quality Consultant	Final report being compiled; will focus on TTHM compliance and plans for hardness and discoloration improvement.	Update
d) WAC/TAC	A 40 member Water Advisory Committee and a 13 member Technical Advisory Committee (including EPA representative) have met as part of the process of improving communication and receiving additional feedback. WAC 2nd meeting scheduled for 3/19/15.	Update
e) Problem resolution next steps	Administration to develop action plan based on Veolia study and input from WAC/TAC.	Update
6) 9-1-1 Reconsolidation Plan	Redacted	

	Last Report	Status
7) Transition Activities	Redacted	
8) Other Items		

From: Workman, Wayne (TREASURY)
Sent: Thursday, March 19, 2015 12:21 PM
To: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Hollins, Harvey (GOV)
Subject: FW: PRESS RELEASE: EM Authorizes DWRF Bond Restructuring
Attachments: DWRF Bond Restructuring.pdf

FYI, Wanted to make sure you saw this.

From: Jason Lorenz [mailto:jlorenz@cityofflint.com]
Sent: Thursday, March 19, 2015 12:16 PM
Subject: PRESS RELEASE: EM Authorizes DWRF Bond Restructuring

Flint Emergency Manager Authorizes Bond Restructuring to Afford Additional $2.24 Million toward Capital Improvements in Water

Flint, Michigan – March 19, 2015 – Flint Emergency Manager Jerry Ambrose today authorized a restructuring of four outstanding Drinking Water Revolving Fund (DWRF) bonds to allow postponing current principal payments in the total amount of $2.24 million. This action will allow the $2.24 million budgeted for debt service to be utilized for expenses associated with maintaining safety and improving quality of the Flint water supply. Approval of the State Treasurer is required before the restructuring can occur.

Flint has recently received a final report from Veolia, its water expert advisor, making a series of recommendations to maintain and improve the Flint water supply. These recommendations, and other items identified in the City's current capital improvements plan, will be considered as the City develops and implements its action plan to maintain and improve the Flint water supply. Discussion on the development of the action plan will begin today, March 19, 2015 at the Water Advisory Committee meeting, scheduled to begin at 2:00 pm at the Flint Public Library.

The State of Michigan was instrumental in allowing the restructuring, as approvals are required by both the State Treasurer and the Director of the Michigan Department of Environmental Quality. "At all levels, the State of Michigan has been most cooperative in assisting the City of Flint as it addresses the many issues confronting the Flint water system", said Ambrose. "Access to $2.24 million at this time will be very helpful in moving forward with our action plan."

The proposed restructuring will free up funds to enable the City to more quickly begin implementing recommended improvements to its water treatment and distribution system. Several recommendations for

improvement are currently unbudgeted and the $2.24 million will help assure that the most important can be performed.

Recommendations to be considered include the addition of a Granulated Activated Carbon Filter, estimated at as much as $1.5 million; acceleration of the repair and replacement of values, estimated at an additional $120,000 annually; additional pipeline replacement, estimated at $1 million per mile; and acceleration of the project to automate plant operations, estimated at $450,000. $1.315 million will become available in the City's current fiscal year, and the remaining $925,000 will be available in the next fiscal year.

The bonds are currently financed at a rate of 2.5%, and postponement of the principal payment will incur some additional interest expense over the life of the issue. While the interest rate will not increase, the total interest cost will increase by approximately 2% ($228,000) over the 20 year life of the issues.

–END–

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

Jason Lorenz
Public Information Officer
(810) 237-2039
jlorenz@cityofflint.com

For Immediate Release

Flint Emergency Manager Authorizes Bond Restructuring to Afford Additional $2.24 Million toward Capital Improvements in Water

Flint, Michigan – March 19, 2015 – Flint Emergency Manager Jerry Ambrose today authorized a restructuring of four outstanding Drinking Water Revolving Fund (DWRF) bonds to allow postponing current principal payments in the total amount of $2.24 million. This action will allow the $2.24 million budgeted for debt service to be utilized for expenses associated with maintaining safety and improving quality of the Flint water supply. Approval of the State Treasurer is required before the restructuring can occur.

Flint has recently received a final report from Veolia, its water expert advisor, making a series of recommendations to maintain and improve the Flint water supply. These recommendations, and other items identified in the City's current capital improvements plan, will be considered as the City develops and implements its action plan to maintain and improve the Flint water supply. Discussion on the development of the action plan will begin today, March 19, 2015 at the Water Advisory Committee meeting, scheduled to begin at 2:00 pm at the Flint Public Library.

The State of Michigan was instrumental in allowing the restructuring, as approvals are required by both the State Treasurer and the Director of the Michigan Department of Environmental Quality. "At all levels, the State of Michigan has been most cooperative in assisting the City of Flint as it addresses the many issues confronting the Flint water system", said Ambrose. "Access to $2.24 million at this time will be very helpful in moving forward with our action plan."

–CONTINUE–

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

The proposed restructuring will free up funds to enable the City to more quickly begin implementing recommended improvements to its water treatment and distribution system. Several recommendations for improvement are currently unbudgeted and the $2.24 million will help assure that the most important can be performed.

Recommendations to be considered include the addition of a Granulated Activated Carbon Filter, estimated at as much as $1.5 million; acceleration of the repair and replacement of values, estimated at an additional $120,000 annually; additional pipeline replacement, estimated at $1 million per mile; and acceleration of the project to automate plant operations, estimated at $450,000. $1.315 million will become available in the City's current fiscal year, and the remaining $925,000 will be available in the next fiscal year.

The bonds are currently financed at a rate of 2.5%, and postponement of the principal payment will incur some additional interest expense over the life of the issue. While the interest rate will not increase, the total interest cost will increase by approximately 2% ($228,000) over the 20 year life of the issues.

–END–

City Hall
1101 S. Saginaw Street - Flint, Michigan 48502
810-766-7346 FAX: 810-766-7218 www.cityofflint.com

From: Workman, Wayne (TREASURY)
Sent: Tuesday, March 24, 2015 5:23 PM
To: Clement, Elizabeth (GOV)
Subject: FW: Local Government Update to State Treasurer/March 2015
Attachments: Gov Memo March Final.docx

Beth, I forgot to include you on this email. I am very sorry. it is really good reading!! Wayne

---

From: Workman, Wayne (TREASURY)
Sent: Monday, March 23, 2015 1:24 PM
To: Scott, Allison (GOV); Muchmore, Dennis (GOV); Roberts, John (DTMB)
Cc: Allard, Claire (GOV); Clinton, Kevin (TREASURY); Saxton, Thomas (Treasury); Storberg, Ann Marie (TREASURY); Gelisse, Ashley (TREASURY); Wisniewski, Wendy (GOV); Dempkowski, Angela (Treasury); Koryzno, Edward (Treasury)
Subject: FW: Local Government Update to State Treasurer/March 2015

Allison, Attached is the periodic update on distressed local governments. Please pass on to the Governor as appropriate. This will be the basis for our Local Government briefing March 30. Please call with any questions. Wayne

STATE OF MICHIGAN
DEPARTMENT OF TREASURY

RICK SNYDER
GOVERNOR

R. KEVIN CLINTON
STATE TREASURER

DATE: March 23, 2015

TO: Rick Snyder, Governor

FROM: R. Kevin Clinton, Treasurer

SUBJECT: Status of Financially Stressed Local Governments

EMERGENCY MANAGER

Flint
Emergency Manager: Gerald Ambrose
Appointed: January 13, 2015
Anticipated Exit: April 2015

Recent Developments

- The city was awarded $2M through the Financially Distressed Cities, Villages, and Townships Grant Program. These funds will be used to enhance the city's water system through improved waste management, leak detection, and pipe assessments.
- An EM Order is being prepared that will restructure its SRF loans. This would free up approximately $2.2M allowing the city to further improve its water system.
- The City of Flint had informed residents that it is in violation of the Clean Water Standards Act, after unsafe levels of trihalomethanes (TTHM, a disinfectant by-product) were found in the water. Recent testing by the Michigan Department of Environmental Quality (MDEQ) Testing Lab showed that the total TTHM levels for the month of February are well within the Environmental Protection Agency (EPA) guidelines for safe water. However, because EPA regulations require that the four month average for all testing sites be within certain guidelines, the city is still considered to be non-compliant by the MDEQ. Monthly testing will be ongoing, and is being conducted by several parties.
- The city hired Veolia to provide an analysis of the water system, including recommended improvements, and associated costs. Recommendations included water plant improvements, distribution system improvements, new policies and procedures, and better communication with customers. On March 19, 2015, the report was presented to the Flint Water Advisory Committee, but the presentation broke down due to citizen unrest. An International City/County Management Association (ICMA) comprehensive public safety study has been completed, and was presented to the City Council on January 22, 2015. Several recommendations for both police and fire are currently being reviewed. Of the 16 major recommendations for public safety, the following four are most crucial:

    - Establish more aggressive protocols for responding to service demands from the public.

- Equip a minimum of one marked patrol car with an automated external defibrillator (AED) and an automatic license plate reader, and equip every car with e-ticket readers and printers.
- Develop a robust in-service training program.
- Establish and publish a clear multi-year strategic plan that includes specific performance goals and objectives for all units.

Significant Actions/Issues

-

Redacted

-

Redacted

Redacted

FINANCIAL REVIEW COMMISSION (FRC)

Redacted

RECEIVERSHIP TRANSITION ADVISORY BOARD (RTAB)

Redacted

Redacted

Redacted

Redacted

Redacted

NEUTRAL EVALUATION

Redacted

Redacted

OTHER COMMUNITIES

Redacted

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Tuesday, March 31, 2015 3:36 PM
To: Kapp, Gene (MSP); Muchmore, Dennis (GOV); Roberts, John (DTMB); Dempkowski, Angela (Treasury); Baird, Richard (GOV); Carter, Jerry (MSP); Deasy, Thomas (MSP); Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Etue, Kriste (MSP); Hollins, Harvey (GOV); Hill, Darryl (MSP); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); Lee, Nichole (MSP); McGowan, Emmitt (MSP); Natasha Henderson; Smith, Paul (GOV); Byrne, Randall (Treasury); Sands, Thomas (MSP); Sipes, Stephen (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY); West, Samantha (GOV)
Subject: Bi-Weekly Conference Call Agenda
Attachments: Agenda for Conference Call with Treasury 040115.pdf

Good afternoon,

Please find attached the agenda for the 9:00 am conference call scheduled for **Wednesday, April 1, 2015.**

Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Gerald Ambrose, Emergency Manager
Natasha L. Henderson, City Administrator
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

City of Flint Wednesday 9:00am Phone Conference Agenda

April 1, 2015

Redacted

	Last Report	Status
1) Public Safety Update – FPD, MSP, (FFD, if needed)		
2) Governor's Office Update – R. Baird, H. Hollin B. Clement		
3) Finance and Administrative Update		

Redacted

	Last Report	Status
4) City Council Update	Redacted	
5) Water Issues		
a) MDEQ Violation Notice	Most recent TTHM sampling was tested by the MDEQ - confirmed our internal test findings - that water is within federal/state guidelines. Received the violation notice from MDEQ, due to the running average calculation. The notice to customers is being mailed now, with more information included.	Update
b) Drinking Water Revolving Fund	Order #2 was issued to restructure and amend the debt service payments on the DWRF Bonds, by postponing the principal payments	Complete
c) Water Quality Consultant	Final report received. Action steps are being compiled; will focus on TTHM compliance and plans for hardness and discoloration improvement. Installation of granulated activated charcoal (GAC) filter likely.	Update
d) WAC/TAC	A 40 member Water Advisory Committee and a 13 member Technical Advisory Committee (including EPA representative) have met as part of the process of improving communication and receiving additional feedback. WAC 2nd meeting was held 3/19/15. Format under reconsideration.	Update
6) 9-1-1 Reconsolidation Plan	Redacted	

	Last Report	Status
7) Transition Activities	Redacted	
8) Other Items		

From: James Tolbert <jtolbert@cityofflint.com>
Sent: Tuesday, March 31, 2015 3:59 PM
To: Maxine Murray
Cc: Kapp, Gene (MSP); Muchmore, Dennis (GOV); Roberts, John (DTMB); Dempkowski, Angela (Treasury); Baird, Richard (GOV); Carter, Jerry (MSP); Deasy, Thomas (MSP); Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Elizabeth Murphy; Etue, Kriste (MSP); Hollins, Harvey (GOV); Hill, Darryl (MSP); Jerry Ambrose; Klotz, Josephine (MSP); Lee, Nichole (MSP); McGowan, Emmitt (MSP); Natasha Henderson; Smith, Paul (GOV); Byrne, Randall (Treasury); Sands, Thomas (MSP); Sipes, Stephen (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY); West, Samantha (GOV)
Subject: Re: Bi-Weekly Conference Call Agenda

Captain Golden with represent FPD, I have a kick off press conference for Child Abuse Month.

On Tue, Mar 31, 2015 at 3:35 PM, Maxine Murray <mmurray@cityofflint.com> wrote:
Good afternoon,

Please find attached the agenda for the 9:00 am conference call scheduled for **Wednesday, April 1, 2015.**

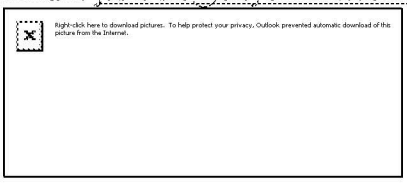
Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Gerald Ambrose, Emergency Manager
Natasha L. Henderson, City Administrator
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

--
JAMES W. TOLBERT
Chief of Police
City of Flint, Michigan
210 E. 5th Street
Flint, Michigan 48502

Work: 810-237-6868
Fax: 810-237-6960

Email: jtolbert@cityofflint.com



From: Workman, Wayne (TREASURY)
Sent: Wednesday, April 08, 2015 5:13 PM
To: Saxton, Thomas (Treasury); Stanton, Terry A. (Treasury); Gelisse, Ashley (TREASURY); Muchmore, Dennis (GOV); Clement, Elizabeth (GOV)
Subject: Fwd: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water

FYI

Sent from my iPhone

Begin forwarded message:

From: "Koryzno, Edward (Treasury)" <KoryznoE@michigan.gov>
Date: April 8, 2015 at 4:35:47 PM EDT
To: "Workman, Wayne (TREASURY)" <WorkmanW@michigan.gov>, "Gelisse, Ashley (TREASURY)" <GelisseA@michigan.gov>
Subject: FW: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water

FYI

Edward B. Koryzno, Jr. | Director - Bureau of Local Government Services
State of Michigan | 430 W. Allegan Street, 3rd Floor | Lansing, MI 48922
(517) 373-4415 | (517) 373-0633 (fax)
KoryznoE@michigan.gov

Think Green! Don't print this e-mail unless you need to.

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, is for the sole use of the intended recipient(s) and may contain information that is confidential and protected from disclosure under the law. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail, and delete/destroy all copies of the original message and attachments.
Thank you

From: Widigan, Robert (TREASURY)
Sent: Wednesday, April 08, 2015 4:12 PM
To: Koryzno, Edward (Treasury); Byrne, Randall (Treasury); Cline, Richard (Treasury); Vandegrift, Drew (TREASURY)
Subject: Flint Pastors Warn They'll Go To Court To Get City Off Flint River Water
Importance: Low

FYI – http://videos.mlive.com/mlive/2015/04/flint_pastors_warn_theyll_go_t.html

Robert Widigan | Office of Fiscal Responsibility
State of Michigan | Department of Treasury
430 W. Allegan Street | Lansing, MI 48922
Office (517) 335-2130 | [redacted]

WidiganR@michigan.gov

From: Wisniewski, Wendy (GOV)
Sent: Friday, July 10, 2015 2:56 PM
To: Clement, Elizabeth (GOV)
Subject: FW: HH/DM Meeting

Should you be in this meeting too?

From: Clayton, Stacie (GOV)
Sent: Wednesday, July 08, 2015 9:54 AM
To: Wisniewski, Wendy (GOV)
Subject: HH/DM Meeting

Hi Wendy,

Is Dennis available next Tuesday, July 14, before 1pm for a meeting in Lansing with Harvey Hollins and Pastor Oscar Overton regarding Flint water?

Stacie

Subject: Conf Call re Flint Water
Location: [redacted]

Start: Thu 9/24/2015 3:30 PM
End: Thu 9/24/2015 4:00 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Muchmore, Dennis (GOV)
Required Attendees: Harvey Hollins (hollinsh@michigan.gov); Clement, Elizabeth (GOV) (clemente@michigan.gov); Clayton, Stacie (GOV); Baird, Richard (GOV); VanSickle, Michele (GOV) (vansicklem2@michigan.gov); Murray, David (GOV); Wyant, Dan (DEQ); Thelen, Mary Beth (DEQ); Wurfel, Brad (DEQ); Lyon, Nick (DCH); Lasher, Geralyn (DCH); Grijalva, Nancy (DCH); Saxton, Thomas (Treasury) (SaxtonT@michigan.gov); Pleyte, Beth (Treasury); Walsh, John (GOV) (WalshJ@michigan.gov); Hall, Jean (GOV); Mcbride, Bill (GOV)

[redacted]
[redacted]: Harvey to host

From: Etue, Kriste (MSP)
Sent: Monday, September 28, 2015 7:15 PM
To: Clement, Elizabeth (GOV)
Subject: Fwd: Flint Water Issue - Rep. Kildee Letter Received By Federal Agencies

Can you call me...? Please.

Sent from my iPhone

Begin forwarded message:

From: "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov>
Date: September 28, 2015 at 5:56:40 PM EDT
To: "Etue, Kriste (MSP)" <EtueK@michigan.gov>, "Gorski, Gary (MSP)" <GorskiG@michigan.gov>, "Smith, Paul (GOV)" <SmithP29@michigan.gov>
Cc: "Katarsky, Anthony (MSP)" <KatarskyA@michigan.gov>, "Leix, Ron (MSP)" <LeixR@michigan.gov>, "Banner, Shanon (MSP)" <BannerS@michigan.gov>, "Wurfel, Sara (GOV)" <Wurfels@michigan.gov>, "Murray, David (GOV)" <MurrayD1@michigan.gov>
Subject: RE: Flint Water Issue - Rep. Kildee Letter Received By Federal Agencies

I just caught this...the photo and the scenario in the ppt are HYPOTHETICAL. I have staff following up with the Genesee County EM.

Chris

From: Kelenske, Chris (MSP)
Sent: Monday, September 28, 2015 5:43 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV)
Cc: Katarsky, Anthony (MSP); Leix, Ron (MSP); Banner, Shanon (MSP); Wurfel, Sara (GOV); Murray, David (GOV)
Subject: Flint Water Issue - Rep. Kildee Letter Received By Federal Agencies
Importance: High

Attached are two documents for your information: 1) A letter from US Representative Kildee to Craig Fugate of FEMA, HHS, EPA, and CDC and 2) a PowerPoint on Flint water concerns. Essentially, Representative Kildee is requesting FEMA take action to resolve potable water quality issues associated with the Flint water system.

This is the first we heard of the letter and I actually found out from the FEMA Region V Director when he called me about an hour ago. He and I discussed a few things on this and he will respond advising they need to work through the local EM system in MI (engaging the local EM and then EMHSD). They also are working through the local health department as I confirmed with Dr. Scott from DHHS. If Flint needs water or want water the first step is to handle it locally (at least on the EM side and then push up any gaps they cannot fill to us). We are not aware of any work the local EM has done in this regard. I will be with the FEMA Region V Director as well as the FEMA Administrator, Craig Fugate, this week if they have questions.

I have advised Dr. Jackie Scott from DHHS and will be sending her the letter and ppt.

Chris

Capt. Chris A. Kelenske
Deputy State Director/Commander
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
(517) 333-5042

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY."

JOIN THE MSP

From: Durfee, Sally (TREASURY)
Sent: Wednesday, September 30, 2015 11:24 AM
To: Clement, Elizabeth (GOV)
Subject: Fwd: Distressed Cities fund - G's asking??
Attachments: RE: FDCVT - Flint; ATT00001.htm

this is what Tom sent....I am still working on getting a number

Sent from my iPad

Begin forwarded message:

> **From:** "Saxton, Thomas (Treasury)" <SaxtonT@michigan.gov>
> **Date:** September 30, 2015 at 11:13:58 AM EDT
> **To:** "Durfee, Sally (TREASURY)" <DurfeeS1@michigan.gov>
> **Cc:** "Workman, Wayne (TREASURY)" <WorkmanW@michigan.gov>
> **Subject: RE: Distressed Cities fund - G's asking??**
>
> They may be calling about the same issue. See attached. I was in a meeting yesterday with the Gov et al. So I don't know if Dennis got back to them.
>
> -----Original Message-----
> From: Durfee, Sally (TREASURY)
> Sent: Wednesday, September 30, 2015 11:05 AM
> To: Cole, Evah (Treasury) <ColeE@michigan.gov>; Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>; Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>
> Subject: Fwd: Distressed Cities fund - G's asking??
>
> Do you know if we have money left in the Distressed Cities fund?

From: Saxton, Thomas (Treasury)
Sent: Wednesday, September 30, 2015 9:03 AM
Subject: RE: FDCVT - Flint

To be honest I am not sure… I don't have the history/background to know whether we would actually turn them/communities down (& we might) if they can't fully fund their project. I am sure that area (assessing) is in chaos as well in Flint.
If that were the case i.e., we would say no to the assessing project; then yes in terms of the switch to water related projects. I think the number I heard yesterday was 10,000-15,000 filters for $250k. Or maybe you create a program to replace the curb-to-home lead piping.

The call with Flint got cancelled today. They are not available now at that time.

From: Muchmore, Dennis (GOV)
Sent: Wednesday, September 30, 2015 8:47 AM
To: Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>
Cc: Clement, Elizabeth (GOV) <clemente@michigan.gov>
Subject: RE: FDCVT - Flint

Thanks. Are you suggesting they modify their request to one that asks for money for filters instead of the assessing since the assessing cost exceeds the grant and they couldn't do the project anyway?

From: Saxton, Thomas (Treasury)
Sent: Tuesday, September 29, 2015 5:34 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Cc: Clement, Elizabeth (GOV) <clemente@michigan.gov>
Subject: FW: FDCVT - Flint

> One of my 'take-aways' from the meeting this afternoon was to follow up on whether they could use those Distressed Cities' $s for filters. Remember last year they did receive $2mm which they used for water related items. This year they want funds for the property assessing area. Their project cost is more than the grant limit. It is not clear they realize that. The deadline application is Oct 15 if they were willing to change the application. Assuming that is doable.
>
> With Wayne away (and before the 1:00 mtg)… a call was set up actually earlier today with Natasha Henderson. Do you care if we still do that ? The email setting it up is attached. Obviously we are not going to commit to anything.
>
> Let me know if you need anything else.

From: Cole, Evah (Treasury)
Sent: Tuesday, September 29, 2015 4:20 PM
To: Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>
Cc: Koryzno, Edward (Treasury) <KoryznoE@michigan.gov>; Pleyte, Beth (Treasury) <PleyteB@michigan.gov>; Dempkowski, Angela (Treasury) <DempkowskiA@michigan.gov>; Kolka, Carolyn (Treasury) <KolkaC@michigan.gov>;

Stanton, Terry A. (Treasury) <StantonT@michigan.gov>; Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>
Subject: RE: FDCVT - Flint

Tom,

Below are the answers to your questions. If you have any further questions, let us know. Thank you.

Do we know whether Flint has yet applied for any of these (FDCVT) $s ?
ANSWER: We received an application from the City of Flint on September 17th. The amount requested for the project is $2M (the limit for a local unit) and it is estimated to take $3.1M to complete the entire project. They also indicated that if full funding is not awarded, it is doubtful that they will be able to move forward with the project. The proposed project is:

"The city proposes to hire a qualified contractor to provide property assessing services. Specifically, this contractor will create digital property sketches of all improved properties, evaluate existing property conditions and improvements by providing real property data verification, and conduct a comprehensive appraisal valuation study. This process will take place over a period of 3 years, from June 1, 2016 to July 1, 2019."

Do we know if they have plans to?
ANSWER: Since they asked for the entire $2M for the above project, we would assume they are not submitting any further projects, however we are not sure.

And have they asked (& rec'd) $s from this program previously i.e., last year, and if so, what did they use those $s for?
ANSWER: Treasury awarded Flint two grants in FY 2015 under the FDCVT program. Treasury has not yet received any reimbursement requests from the City. Therefore, we have not distributed any of the FDCVT grant related funds to the City. The two grants are:

Awarded	Project Name	Brief Description
$1,100,000	Water Pollution Control Incinerator Shutdown	Water system enhancements through improved waste management
$900,000	Water Main Leak Detection Survey and Condition Assessment	Water system enhancements through leak detection and pipe assessments

Sent from my iPhone

On Sep 29, 2015, at 3:00 PM, Stanton, Terry A. (Treasury) <StantonT@michigan.gov> wrote:

> See the attached press release...noting Flint's awards (2).
>
> The writeup below was included in Flint Water Talking Points from last winter.
>
> **The City has received significant financial assistance through both grant programs and bond restructuring initiatives administered by the MI Department of Treasury. This financial assistance has allowed the City to replace miles of aged pipeline and begin efforts to install a specialized filter at the Water Treatment Plant.**
>
> **In February, Flint was awarded a total of $2 million through two *Financially Distressed Cities, Villages, and Townships Grants*. $1.1 million was awarded for water system enhancements**

through improved waste management while $900,000 was awarded for water system enhancements through leak detection and pipe assessments.

From: Saxton, Thomas (Treasury)
Sent: Tuesday, September 29, 2015 2:53 PM
To: Koryzno, Edward (Treasury) <KoryznoE@michigan.gov>; Cole, Evah (Treasury) <ColeE@michigan.gov>
Cc: Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>; Stanton, Terry A. (Treasury) <StantonT@michigan.gov>; Pleyte, Beth (Treasury) <PleyteB@michigan.gov>; Dempkowski, Angela (Treasury) <DempkowskiA@michigan.gov>
Subject: FW: FDCVT

Do we know whether Flint has yet applied for any of these $s ? Do we know if they have plans to? And have they asked (& rec'd) $s from this program previously i.e., last year. [knowing that it hasn't been going that long]. If so, what did they use those $s for.

Finally, if they hadn't applied yet... given the current Flint water situation;
Could they use these grant funds to purchase filters for individual residents for use in their homes ?

If you can get back to me quickly I would appreciate it. Thanks

<FDCVT Grant Awards 2-3-15.pdf>

From: Zimmer, Mike (LARA)
Sent: Wednesday, October 07, 2015 7:52 AM
To: Clement, Elizabeth (GOV)
Subject: Re: Flint

Val reminded me last night that while water utilities is no his specialty, John Q is very expert in utility financing

Sent from my iPhone

> On Oct 7, 2015, at 6:45 AM, Clement, Elizabeth (GOV) <clemente@michigan.gov> wrote:
>
> Karen could be really helpful.
>
> Sent from my iPhone
>
>> On Oct 6, 2015, at 6:25 PM, Zimmer, Mike (LARA) <zimmerm@michigan.gov> wrote:
>>
>> I am scratching my head a bit over what LARA could do to assist in the Flint situation. I can think of a couple things, but they are pretty tangential:
>>
>> 1) MIOSHA: The bureau has a lab - I have reached out to Martha Yoder, the bureau director, to see if they have water testing capabilities.
>> 2) BCC: We can do inspections (and permitting) upon request - like we tried to do in the Detroit demo project. Irv Poke, the bureau director there, has already talked to DEQ about some pipe inspection in Flint schools, but we may be able to go farther if there is a need.
>> 3) MAE/PSC: Really can't think of anything, but they have lots of weird programs, so I have reached out to Val for suggestions.
>> 4) Organization: The Flint situation could benefit from a "all hands on deck" working group like that we have done for the last several years with winter fuels. Mostly the same cast of characters with a few departmental additions and a switch in the impacted interest groups. If Dan (or someone else) wants to run lead, I could loan Karen Towne to either staff/organize the meetings/calls or train the department staff person on the template of how these work. She is pretty experienced in organizing this kind of thing.
>>
>> Will keep thinking, but that's all I can come up with on short notice.
>>
>> Mike
>>
>> Sent from my iPad

From: Tedder, Greg (LARA)
Sent: Wednesday, October 07, 2015 1:34 PM
To: Clement, Elizabeth (GOV)
Subject: Fwd: Flint

FYI - The budget office also called us (and I presume every other department) to ask what funds we would have available for Flint.

Sent from my iPad

Begin forwarded message:

> **From:** "Brown, Melanie (LARA)" <BrownM45@michigan.gov>
> **Date:** October 6, 2015 at 5:53:03 PM EDT
> **To:** "Mills, Brian (MSHDA)" <MillsB7@michigan.gov>
> **Cc:** "Tedder, Greg (LARA)" <TedderG@michigan.gov>, "Hendges, Jeremy (LARA)" <Hendgesj@michigan.gov>
> **Subject: FW: Flint**
>
> FYI -
>
> ---
>
> **From:** Steve Arwood (MEDC) [mailto:arwoods1@michigan.org]
> **Sent:** Tuesday, October 06, 2015 5:02 PM
> **To:** Agen, Jarrod (GOV); Clement, Elizabeth (GOV)
> **Cc:** Tedder, Greg (LARA); Hendges, Jeremy (LARA); Brown, Melanie (LARA)
> **Subject:** Flint
>
> Watching this issue and wondering if they need short term financial assistance for infrastructure. Probably could help there, but not sure what all the issues are. We can take a look at anything that may be needed. Let us know.
>
> STEVE ARWOOD, DIRECTOR
> STATE OF MICHIGAN | TALENT AND ECONOMIC DEVELOPMENT
> ARWOODS1@MICHIGAN.ORG | LANSING: 517-241-1400
>
> TALENT AND ECONOMIC DEVELOPMENT
>
> Steve Arwood
> Chief Executive Officer
> **Michigan Economic Development Corporation**
> 300 N. Washington Square | Lansing, MI 48913
> Office: 517.241.1400
> Arwoods1@michigan.org
>
> This message contains information which may be confidential and privileged. Unless you are the intended recipient (or authorized to receive this message for the intended recipient), you may not use,

copy, disseminate or disclose to anyone the message or any information contained in the message. If you have received the message in error, please advise the sender by reply e-mail, and delete the message. Thank you very much.

TALENT AND ECONOMIC
DEVELOPMENT

From: Stibitz, Brom (DTMB)
Sent: Wednesday, October 28, 2015 7:48 AM
To: Clement, Elizabeth (GOV)
Subject: FW: Protest Event - Constitution Hall

Beth – not sure what our communication protocol is on this. Just sharing this with you in case you weren't in the loop. Caleb is also touching base with your Comms shop.

From: Pratt, Jeff (DTMB)
Sent: Tuesday, October 27, 2015 6:32 PM
To: Behen, David (DTMB) <BehenD@michigan.gov>; Davenport, Rodney (DTMB) <DavenportR1@michigan.gov>; Stibitz, Brom (DTMB) <StibitzB@michigan.gov>; Jeffery, Phillip (DTMB) <Jefferyp@michigan.gov>; Swanson, Eric (DTMB) <swansone@michigan.gov>; Buhs, Caleb (DTMB) <BuhsC@michigan.gov>; McFarlane, James (DTMB) <mcfarlanej@michigan.gov>; Gelisse, Ashley (DTMB) <GelisseA@michigan.gov>; Kopacsi, Christian (DTMB) <KopacsiC@michigan.gov>; Turnquist, Michael (DTMB) <TurnquistM@michigan.gov>
Cc: Christensen, Chris (DTMB) <christensenc4@michigan.gov>; Stanaway, Deb (DTMB) <StanawayD@michigan.gov>; Arend-Ritter, Saige (DTMB) <Arend-RitterS@michigan.gov>
Subject: Protest Event - Constitution Hall

DTMB Leadership,

For your awareness there is a protest event planned for Wednesday Oct. 28th outside Constitution Hall between 12 noon and 4:00pm. The event is a response to the water situation in Flint. Please plan your daily activities with this in mind as a large turnout for this event is anticipated. DTMB and MSP are working together and will monitor the situation.

Please let us know if you have any questions or require additional details.

Thanks,

Jeff

Jeff Pratt
Michigan Department of Technology, Management & Budget
Cybersecurity and Infrastructure Protection
Office of Infrastructure Protection
[redacted]
Office: (517) 241-4391

Attention

BMB Central Control

Available 24/7

(517) 373-0196

From: Baird, Richard (GOV)
Sent: Thursday, December 03, 2015 5:21 PM
To: Clement, Elizabeth (GOV)
Subject: Re: Fwd: ACTION NEEDED on Flint water documents

I would like to be on dist. list. Thanks.

Sent from my Verizon Wireless 4G LTE DROID
On Dec 3, 2015 2:39 PM, "Clement, Elizabeth (GOV)" <clemente@michigan.gov> wrote:
Do you want to be on these emails or do you prefer I forward them separately to you? Trying to be respectful of your role with the after action team.

Sent from my iPhone

Begin forwarded message:

> **From:** "Murray, David (GOV)" <MurrayD1@michigan.gov>
> **Date:** December 3, 2015 at 12:43:51 PM EST
> **To:** "Snyder, Rick (GOV)" [redacted]
> **Cc:** "Scott, Allison (GOV)" <scotta12@michigan.gov>, "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>, "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>
> **Subject: ACTION NEEDED on Flint water documents**
>
> Good afternoon Governor,
>
> Sorry for the quick turnaround time on this, but DHHS is hoping to issue the release this afternoon to avoid issuing news on Friday. The DHHS team has answered the questions and made significant revisions to the press release at my request. I think this is far more reader friendly and people focused.
>
> Here are the specific answers to the questions:
>
> **Do the elevated lead levels stick with a person for life?**
>
> We do see blood lead levels decrease after education takes place and exposure to lead sources is reduced. The purpose of screening children for lead is to identify those with elevated levels. Removing potential sources of lead exposure and ensuring proper nutrition and healthcare leads to decreases in blood lead levels in follow-up testing, which is an important part of case management. Lead has a half-life in blood of approximately 25 days; in soft tissue, about 40 days; and in the non-labile portion of bone, more than 25 years.

Why do the lead levels spike on a seasonal basis?

When reviewing historical trend data, the risk of lead exposure is highest during the third quarter of each year – July through September. Seasonal variation is the result of a number of factors including increased exposure to lead in dust and soil in the summer months.

DHHS is requesting to issue this at 2 p.m. with Dr. Wells available to answer questions.

Thank you for your consideration.

Dave

The notifications will be timed as follows:

1:30 p.m.

- Send final embargoed release and summary report to:
  - Genesee County Health Department – Geralyn Lasher
  - Dr. Mona Hannah-Attisha – Geralyn Lasher
  - Task Force Members – Geralyn Lasher
  - City of Flint Mayor's Office – Geralyn Lasher
  - Congress and legislature – Elizabeth Hertel

2 p.m.

- Issue press release and summary report
- Post press release and summary report to MDHHS website newsroom and Flint Water website, www.michigan.gov/flintwater

Please let me know if you have any additional questions, edits or concerns.

Thank you,

Jennifer Eisner

Public Information Officer

Michigan Department of Health and Human Services

Office: 517-241-2112 or EisnerJ@michigan.gov

From: Murray, David (GOV)
Sent: Thursday, December 03, 2015 10:03 PM
To: Clement, Elizabeth (GOV)
Subject: Re: ACTION NEEDED on Flint water documents

Sure thing. I thought I had him on there.

Sent from my iPhone

On Dec 3, 2015, at 9:47 PM, Clement, Elizabeth (GOV) <clemente@michigan.gov> wrote:

> Can you make sure Rich gets all things flint water related?
>
> Thanks!!
>
> Sent from my iPhone
>
> Begin forwarded message:
>
> > **From:** "Baird, Richard (GOV)" <bairdr@michigan.gov>
> > **Date:** December 3, 2015 at 5:21:23 PM EST
> > **To:** "Clement, Elizabeth (GOV)" <clemente@michigan.gov>
> > **Subject: Re: Fwd: ACTION NEEDED on Flint water documents**
> >
> > I would like to be on dist. list. Thanks.
> >
> > *Sent from my Verizon Wireless 4G LTE DROID*
> > On Dec 3, 2015 2:39 PM, "Clement, Elizabeth (GOV)" <clemente@michigan.gov> wrote:
> > Do you want to be on these emails or do you prefer I forward them separately to you? Trying to be respectful of your role with the after action team.
> >
> > Sent from my iPhone
> >
> > Begin forwarded message:
> >
> > > **From:** "Murray, David (GOV)" <MurrayD1@michigan.gov>
> > > **Date:** December 3, 2015 at 12:43:51 PM EST
> > > **To:** "Snyder, Rick (GOV)" [redacted]
> > > **Cc:** "Scott, Allison (GOV)" <scotta12@michigan.gov>, "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>, "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>
> > > **Subject: ACTION NEEDED on Flint water documents**
> > >
> > > Good afternoon Governor,

Sorry for the quick turnaround time on this, but DHHS is hoping to issue the release this afternoon to avoid issuing news on Friday. The DHHS team has answered the questions and made significant revisions to the press release at my request. I think this is far more reader friendly and people focused.

Here are the specific answers to the questions:

Do the elevated lead levels stick with a person for life?

We do see blood lead levels decrease after education takes place and exposure to lead sources is reduced. The purpose of screening children for lead is to identify those with elevated levels. Removing potential sources of lead exposure and ensuring proper nutrition and healthcare leads to decreases in blood lead levels in follow-up testing, which is an important part of case management. Lead has a half-life in blood of approximately 25 days; in soft tissue, about 40 days; and in the non-labile portion of bone, more than 25 years.

Why do the lead levels spike on a seasonal basis?

When reviewing historical trend data, the risk of lead exposure is highest during the third quarter of each year – July through September. Seasonal variation is the result of a number of factors including increased exposure to lead in dust and soil in the summer months.

DHHS is requesting to issue this at 2 p.m. with Dr. Wells available to answer questions.

Thank you for your consideration.

Dave

The notifications will be timed as follows:

1:30 p.m.

- Send final embargoed release and summary report to:
  - Genesee County Health Department – Geralyn Lasher
  - Dr. Mona Hannah-Attisha – Geralyn Lasher
  - Task Force Members – Geralyn Lasher
  - City of Flint Mayor's Office – Geralyn Lasher
  - Congress and legislature – Elizabeth Hertel

2 p.m.

- Issue press release and summary report
- Post press release and summary report to MDHHS website newsroom and Flint Water website, www.michigan.gov/flintwater

Please let me know if you have any additional questions, edits or concerns.

Thank you,

Jennifer Eisner

Public Information Officer

Michigan Department of Health and Human Services

Office: 517-241-2112 or EisnerJ@michigan.gov

[redacted]

From: Lyon, Nick (DHHS)
Sent: Tuesday, December 08, 2015 11:27 AM
To: Baird, Richard (GOV); Wyant, Dan (DEQ); Clement, Elizabeth (GOV)
Cc: Grijalva, Nancy (DHHS)
Subject: FW: Flint Briefing 4Dec15
Attachments: 2015-12-04 - Flint Lead MDHHS Sitrep.pdf

Rich – Per our conversation. Dan/Beth – FYI.

From: Bouters, Janese (DHHS)
Sent: Monday, December 07, 2015 5:07 PM
To: Anderson, Paula (DHHS) <AndersonP3@michigan.gov>; Barr, Jacqui (DHHS) <BarrJ3@michigan.gov>; Becker, Timothy (DHHS) <beckert1@michigan.gov>; Bruneau, Michelle (DHHS) <BruneauM@michigan.gov>; Colston, Leslie (DHHS) <ColstonL@michigan.gov>; DeMyers, Deborah (DHHS) <DeMyersD@michigan.gov>; Dykema, Linda D. (DHHS) <DykemaL@michigan.gov>; Eggleston, Debbie (DHHS) <egglestond@michigan.gov>; Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>; Granger, Patricia (DHHS) <GrangerP@michigan.gov>; Grijalva, Nancy (DHHS) <GrijalvaN@michigan.gov>; Groetsch, Kory J. (DHHS) <GroetschK@michigan.gov>; Harvey, Janice (DHHS) <HarveyJ1@michigan.gov>; Hertel, Elizabeth (DHHS) <HertelE@michigan.gov>; Kaiser Van Dam, Paula (DHHS) <KaiserP@michigan.gov>; Lasher, Geralyn (DHHS) <lasherg@michigan.gov>; Lyon, Nick (DHHS) <LyonN2@michigan.gov>; McKane, Patricia (DHHS) <McKaneP@michigan.gov>; Miller, Corinne (DHHS) <MillerC39@michigan.gov>; Minicuci, Angela (DHHS) <MinicuciA@michigan.gov>; Moran, Susan (DHHS) <MoranS@michigan.gov>; Peeler, Nancy (DHHS) <PeelerN@michigan.gov>; Priem, Wesley F. (DHHS) <priemw@michigan.gov>; Priest, Chris (DHHS) <PriestC1@michigan.gov>; Ridley, Nancy (DHHS) <RidleyN@michigan.gov>; Robinson, Mikelle (DHHS) <RobinsonM18@michigan.gov>; Rockefeller, Cheryl (DHHS) <RockefellerC@michigan.gov>; Scott, Jackie (DHHS) <ScottJ14@michigan.gov>; Shah, Sandip (DHHS) <shahs@michigan.gov>; Sims, Teri (DHHS) <SimsT2@michigan.gov>; Stanbury, Martha (DHHS) <stanburym@michigan.gov>; Stiffler, Kathleen A. (DHHS) <StifflerK@michigan.gov>; Taylor, Kerri (DHHS) <TaylorK10@michigan.gov>; Thompson, Sheryl D. (DHHS) <ThompsonS2@michigan.gov>; Titus, Laura (DHHS) <TitusL@michigan.gov>; Travis, Rashmi (DHHS) <TravisR@michigan.gov>; Wells, Eden (DHHS) <WellsE3@michigan.gov>
Subject: Flint Briefing 4Dec15

Sending on behalf of the PHCSA:

Attached is the MDHHS daily situation report for the Flint water lead project.

Thanks,

Janese Bouters
Executive Secretary to Corinne Miller
Bureau of Disease Control, Prevention and Epidemiology
Michigan Department of Health & Human Services
201 Townsend Street
Lansing, Michigan 48913
Phone: (517) 335-8731
Fax: (517) 335-8263

Flint Water Lead Project

Michigan Department of Health and Human Services
Situation Report for December 4, 2015

NOTE: Contains potentially identifiable Information- REDACT AS INDICATED
New items for the day listed first and in bold print.

Daily Briefing and Situation Report prepared by Linda Dykema

Surveillance Indicators: People Tested since 10/1/2015: 1,361;
Children less than 6 years old ≥ 5 µg/dl since 10/1/2015: 15
Children 6 to 17 years old ≥ 5 µg/dl since 10/1/2015: 6
Adults 18 years and older ≥ 5 µg/dl since 10/1/2015: 9
Severity Indicators: Hospitalized/Discharged-1/1; Deaths- 0

DAILY ACTIVITY SUMMARY

Elevated Blood Level (EBL) Environmental Investigations – ETC Contractors, Wes Priem, Courtney Wisinski

- **EBL investigation for high EBLL home completed on Friday 12/4/15.**
- 3 EBL investigations completed.
- 8 investigations scheduled.

MDHHS/Genesee County Health Department (GCHD) Case Management (CM) Services – Nancy Peeler

- **Child with EBLL of 52 µg/dl: blood level has decreased to 28 µg/dl per confirmed lab report.**
- CM report through 11/25/15:
  - # of contacts attempted: 136
  - # offered CM: 46
  - # CM started: 5
  - # of children receiving CM who live in Flint: 5
  - # billed to Medicaid: 5
  - # Other disposition: 2 (2 children moved to Oakland County)

Epidemiology/Surveillance – Patti McKane, Martha Stanbury, Bob Scott, Jessica Cooper, Karen Lishinski

- **EPA, CDC, MDHHS, local health department call scheduled for later this week to discuss Legionellosis.**

Filter Distribution Sheryl Thompson

- November Distribution
  - 778 Filters
  - 63 Pitchers
  - 924 Replacement Filters
- Total Distribution since October 1, 2015
  - 10,951 Filters
  - 184 Pitchers
  - 924 Replacement Filters

Communications/Information Sharing – Linda Dykema, Eden Wells

- **EPA drinking water experts will present to Technical Advisory Committee meeting on December 9th. Topics will include water treatment/corrosion, the status of Flint's water and next steps.**

Health Education Resources Updates - Michelle Bruneau, Emily Houk

- **Finalized Phosphates fact sheet with GCHD; sent final version to MDHHS Communication office to be finalized and posted on the website.**
- **Bath time poster finalized and forwarded to HHS Communications/PIO for review and approval.**
- **Per Emily Houk, mailed 1000 Keep Your Child Lead-Safe booklets (English), 500 Keep Your Child Lead-Safe booklets (Spanish), and 4 boxes of Fight Lead Poisoning with a Healthy Diet to GCHD.**
- **Finalized time/date of technical meeting with GCHD to discuss phosphate dosing and health (Wednesday, 12/9; 9:30-11a).**
- Pending: Aerator/Filter Maintenance Fact Sheet; Flint Parent Letter re-do in partnership with Emily Houk.

Toxicology - Kory Groetsch, Jennifer Gray, Junaid Maqsood, Veronica Tijerina

- **Collaborating with Surveillance, CM, and EBL response staff to develop a Data Dictionary and Database to track services provided to EBL children/families.**
- Working with GCHD and DEQ to address questions concerning impact of phosphate treatment on drinking water filters.
- Working with Healthy Homes Section staff to revise EBL report for Flint Residents.

WIC

- Letter sent 11/24 to GCHD about Ready-to-feed formula availability from WIC program
- Talking points for WIC staff and for providers shared

Healthcare/Providers

- **Drafted HAN to Flint healthcare providers for review by the project communications team and GCHD. The HAN encourages enhanced BLL testing for children less than six, particularly outside of the 1 and 2 years of age that are required by Medicaid.**
- Moran, Wells and Miller met with Medicaid health plan staff 2 to discuss increased promotion by health plans of EBL testing of Flint children < 6 years of age. Status update on Flint provided. Medicaid put this issue on its agenda for discussion at its December 3 meeting with Medicaid health plan CEOs and suggested inviting Dr. Wells to speak to Medicaid health plan medical directors.
- Medicaid identified three individuals to partner with epidemiology staff to develop methodology to measure/report progress on the percentage of Flint children enrolled in Medicaid who receive EBL testing.

DEQ Information - Linda Dykema as Liaison

- No updates for 12/4/2015.

From: Lyon, Nick (DHHS)
Sent: Tuesday, December 08, 2015 4:26 PM
To: Clement, Elizabeth (GOV)
Cc: Baird, Richard (GOV)
Subject: Re: Flint Lead information

We were doing a less formal version and sending to Dan before last week. We had agreed that he'd put together the responses for the 10 point plan. We were providing updates to Dan a couple of times per week. I wanted to know more so I've asked for these on a daily basis.

I have not sent to the Gov. I can if you want me to. I could send to him and copy Dan.

On Dec 8, 2015, at 2:29 PM, Clement, Elizabeth (GOV) <clementE@michigan.gov> wrote:

> Are these sent to the Gov and if so, how often?
>
> ---
>
> **From:** Lyon, Nick (DHHS)
> **Sent:** Thursday, December 3, 2015 10:54 AM
> **To:** Baird, Richard (GOV) <bairdr@michigan.gov>; Clement, Elizabeth (GOV) <clementE@michigan.gov>
> **Subject:** FW: Flint Lead information
>
> FYI. These are the regular reports I am now receiving.

From: Lyon, Nick (DHHS)
Sent: Monday, December 21, 2015 3:47 PM
To: Clement, Elizabeth (GOV)
Subject: Fwd: Edwards Report Response

Begin forwarded message:

From: "Eisner, Jennifer (DHHS)" <EisnerJ@michigan.gov>
Date: December 21, 2015 at 3:46:05 PM EST
To: "Lyon, Nick (DHHS)" <LyonN2@michigan.gov>
Subject: RE: Edwards Report Response

With edits from the gov's team in bold..

The Michigan Department of Health and Human Services **has consistently provided information regarding blood lead levels in the city of Flint.**

When initially looking at the citywide and county elevated blood lead level numbers, the increase appeared to be consistent with the routine seasonal fluctuation seen in the summer months. It wasn't until the Hurley report came out that our epidemiologists took a more in-depth look at the data by ZIP code, controlling for seasonal variation, and confirmed an increase outside of normal trends. As a result of this process, we have determined that the way we analyze data needs to be thoroughly reviewed. **Additionally, Gov. Rick Snyder has created a Flint Water Task Force to review all city, state and federal responses and actions and is expected to make recommendations moving forward.**

Our department is focused on ensuring that appropriate case management and follow up is occurring in Flint. Summary reports outlining blood lead level testing are posted online on a bi-weekly basis, and we are working closely with local partners to fulfill data requests as we receive them.

Regarding the FOIA, Mr. Edwards received all of the requested documents, with personal information redacted, on Friday, December 18.

Jennifer Eisner
Public Information Officer
Michigan Department of Health and Human Services
Office: 517-241-2112 or EisnerJ@michigan.gov
Cell: [redacted]

From: Lyon, Nick (DHHS)
Sent: Monday, December 21, 2015 3:45 PM
To: Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>
Subject: Re: Edwards Report Response

Final?

On Dec 21, 2015, at 2:36 PM, Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov> wrote:

> Thank you -- here's what we have:
>
> The Michigan Department of Health and Human Services has been, and continues to be, committed to full disclosure of information regarding the city of Flint and blood lead levels. To suggest otherwise is not consistent with how we have responded.
>
> **When initially looking at the citywide and county elevated blood lead level numbers, the increase appeared to be consistent with the routine seasonal fluctuation seen in the summer months.** It wasn't until the Hurley report came out that our epidemiologists took a more in-depth look at the data by zip code, controlling for seasonal variation, and confirmed an increase outside of normal trends. As a result of this process, we have determined that the way we analyze data collected needs to be thoroughly reviewed. Our after action report will help determine how we conduct this process in the future.
>
> Our department is focused on ensuring that appropriate case management and follow up is occurring in Flint. Summary reports outlining blood lead level testing are posted online on a bi-weekly basis, and we are working closely with local partners to fulfill data requests as we receive them.
>
> Regarding the FOIA, Mr. Edwards received all of the requested documents, with personal information redacted, on Friday, December 18.
>
> Jennifer Eisner
> Public Information Officer
> Michigan Department of Health and Human Services
> Office: 517-241-2112 or EisnerJ@michigan.gov
> Cell: [redacted]

From: Creagh, Keith (DNR)
Sent: Wednesday, December 30, 2015 9:03 PM
To: Clement, Elizabeth (GOV)
Subject: Re: Attorney Client Work Product (Draft), Privileged and Confidential

Don't know but could it be someone with health credentials. If not from Flint then "Local" in my mind means other then state. Any other local health department experts (not Genessee county) that could lend a local perspective?

Sent from my iPad

On Dec 30, 2015, at 8:58 PM, Clement, Elizabeth (GOV) <clemente@michigan.gov> wrote:

> Thanks. I have concerns similar to Harvey. Who at the local level??
>
> Sent from my iPhone
>
> On Dec 30, 2015, at 8:55 PM, Creagh, Keith (DNR) <creaghk@michigan.gov> wrote:
>
> > I sent this to Chris only. Not for broad group consumption but wanted to ask a couple of questions. The chair would be the singular lead.
> > Keith
> >
> > Sent from my iPad
> >
> > Begin forwarded message:
> >
> > **From:** "Creagh, Keith (DNR)" <creaghk@michigan.gov>
> > **Date:** December 30, 2015 at 8:48:39 PM EST
> > **To:** "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov>
> > **Subject: Re: Attorney Client Work Product (Draft), Privileged and Confidential**
> >
> > So just to you-has it been decided that it is only our responsibility to fix? Is it mere resource request. Wouldn't the chair be the singular lead with the co-Vice chairs having some skin in the game? At the end of the day it will be important for the locals to buy in at the responsibility/programmatic level. I am new to the discussion so will yield to your expertise. Keith
> >
> > Sent from my iPad
> >
> > On Dec 30, 2015, at 8:38 PM, Kelenske, Chris (MSP) <KelenskeC@michigan.gov> wrote:
> >
> > > The concern I have with having a local as a vice chair is that this is being pushed to the state level to fix. Similar to an emergency that reaches the state level, we need to have one lead to move this forward and that should be at the state level. I have run numerous state and

federal disasters in this manner. The locals are pushing the request for resources to the state so this is them saying they cannot do anything more and handing this off to the state. This is one of the areas I mentioned that needs to stay consistent with the Emergency Management Act and how we manage incidents.

Locals still have a voice in this (one way is that they are generating the requests for resources to assist).

Chris

From: Creagh, Keith (DNR)
Sent: Wednesday, December 30, 2015 8:15 PM
To: Baird, Richard (GOV)
Cc: Agen, Jarrod (GOV); Clement, Elizabeth (GOV); Hollins, Harvey (GOV); Kelenske, Chris (MSP); Holland, Meegan (GOV); Murray, David (GOV); Redford, James (GOV); Becker, Timothy (DHHS); Roberts, John (DTMB); Etue, Kriste (MSP); Lyon, Nick (DHHS)
Subject: Re: Attorney Client Work Product (Draft), Privileged and Confidential

Thanks for the opportunity to comment. I agree with Jim that it would be good to have a local entity at least be a co vice chair if possible. I would question statement of need wording and ask that it be reflect of the need for additional resources, integrated approach, additional professional expertise, enhanced communication,coordination and connection...you get the gist. Rich I would be happy to discuss at your convenience if appropriate. This would appear consistent with the request from Flint. Also in my limited (and I stress limited) discussions today I asked what success looked like and it included many of the suggested components. The individual I was speaking with wanted to further explore:
Increased funding/focus for Head start to get ahead of the curve
School nutrition and distribution systems (year around)
Fresh produce/local foods

Individual health screening
Infrastructure improvements

I know most if not all are identified in the outline but might want to further explain the nutrition component if the Docs in the group say it might be beneficial for those involved.

Thanks again-Keith

Sent from my iPad

On Dec 30, 2015, at 6:57 PM, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:

> Team:
>
> Today Harvey and I met with the Flint Water Task Force. It was a good meeting. People were pleased with the G's statement from the prior day. Captain Kelenske joined us and we had a very good discussion about moving forward with the creation of the Flint Water Crisis Agency Coordinating Committee (FIACC). Tim Becker and Captain Kelenske provided me with a fair amount of input. I also read the City of Flint Incident Action Plan for a State of Emergency which Chris received today (enclosed for those who wish to read it as well). I have distilled all of this into a two page plan that I want your edits and comments on and a one page organizational chart (now presented in the "governor's colors" according to our fine people in Communications). Spoiler alert—I made Captain Kelenske Vice Chair of the whole shebang (with the Colonel's blessing) so Harvey wouldn't get lonely.
>
> Here is my ask of you:
>
> 1) Within 24 (sooner if you can) hours give me your comments and input
> 2) Tomorrow I will turn around a final document for Jarrod to review with the Governor either New Year's Day or Saturday
> 3) Ideally, Governor will approve Harvey sending it to Mayor Weaver Saturday (Sunday latest)
> 4) Mayor needs to know that this is what the Governor wishes to discuss at the meeting January 7 along with financial resources that we still need some

estimates on cost from DHHS for

5) Meegan and Dave need to noodle how best to get out front with this and change the narrative focus on Monday's Genesee County declaration of emergency

I know we are all working way too hard for what should be a rest and recharge period but I do appreciate everyone's efforts and I know the Boss really does as well.

Regards,

Rich

<A Proposal to Create the Flint Water Inter.docx>

<IA Coord Com Org Chart.jpg>

<IAP Flint Water 2015-12-29.pdf>

From: Kelenske, Chris (MSP)
Sent: Wednesday, December 30, 2015 10:29 PM
To: Baird, Richard (GOV)
Cc: Etue, Kriste (MSP); Clement, Elizabeth (GOV)
Subject: RE: Attorney Client Work Product (Draft), Privileged and Confidential
Attachments: A Proposal to Create the Flint Water Inter cak rev.docx

The document looks good. I have a few suggestions to consider which are in track changes in the attached. Feel free to call me if you want to discuss.

Chris

From: Baird, Richard (GOV)
Sent: Wednesday, December 30, 2015 6:57 PM
To: Agen, Jarrod (GOV); Clement, Elizabeth (GOV); Hollins, Harvey (GOV); Kelenske, Chris (MSP); Holland, Meegan (GOV); Murray, David (GOV); Redford, James (GOV); Becker, Timothy (DHHS); Creagh, Keith (DNR); Roberts, John (DTMB)
Cc: Etue, Kriste (MSP); Lyon, Nick (DHHS)
Subject: Attorney Client Work Product (Draft), Privileged and Confidential

Team:

Today Harvey and I met with the Flint Water Task Force. It was a good meeting. People were pleased with the G's statement from the prior day. Captain Kelenske joined us and we had a very good discussion about moving forward with the creation of the Flint Water Crisis Agency Coordinating Committee (FIACC). Tim Becker and Captain Kelenske provided me with a fair amount of input. I also read the City of Flint Incident Action Plan for a State of Emergency which Chris received today (enclosed for those who wish to read it as well). I have distilled all of this into a two page plan that I want your edits and comments on and a one page organizational chart (now presented in the "governor's colors" according to our fine people in Communications). Spoiler alert—I made Captain Kelenske Vice Chair of the whole shebang (with the Colonel's blessing) so Harvey wouldn't get lonely.

Here is my ask of you:

1) Within 24 (sooner if you can) hours give me your comments and input
2) Tomorrow I will turn around a final document for Jarrod to review with the Governor either New Year's Day or Saturday
3) Ideally, Governor will approve Harvey sending it to Mayor Weaver Saturday (Sunday latest)
4) Mayor needs to know that this is what the Governor wishes to discuss at the meeting January 7 along with financial resources that we still need some estimates on cost from DHHS for
5) Meegan and Dave need to noodle how best to get out front with this and change the narrative focus on Monday's Genesee County declaration of emergency

I know we are all working way too hard for what should be a rest and recharge period but I do appreciate everyone's efforts and I know the Boss really does as well.

Regards,

Rich

A Proposal to Create the Flint Water Inter-Agency Coordinating Committee (FIACC)

In collaboration with the Flint After-Action Task Force, MSP Captain Chris Kelenske, DHHS Chief Deputy Tim Becker and DHHS Director Nick Lyon, Harvey Hollins and Rich Baird are recommending the immediate creation of the above referenced entity, with its sustained role and responsibility enabled under the Governor's Executive Order.

Statement of Need

Due to a combination of resource constraints, inexperienced personnel, "silo" bureaucratic processes and reactionary approaches to immediate problems, there is a ~~nearly complete~~ lack of coordination, communication, and connected management amongst all the departments and stakeholders who must work together to ensure Flint's return to clean, safe water and to coordinate mid and long term efforts to mitigate and address future health and behavioral consequences from lead ingestion. This group MUST be stood up regardless of whether (or when) the conditions required for a declaration of emergency are met by the City, County, State or Federal authorizers. This coordinating body must include:

- The creation of a routine information process between all parties.
- Pursuit of other avenues of funding including federal grants and legislative appropriations.
- While the Emergency Management Act or the Stafford Disaster Relief and Emergency Assistance Act may not be mechanisms to fix all the issues in Flint, portions of the Emergency Management Act outlining management of emergencies or disasters ~~events~~ are applicable and should be implemented without delay (e.g. Local emergency operations plans/emergency operations guides as well as emergency operations support plans).

Action Plan and Establishing the FIACCC

It appears that a request for a Governor's declaration may be from the county as soon as January 4, 2016. The state's Deputy State Director of Emergency ~~Coordinator~~ Management and Homeland Security (Capt. Kelenske) will evaluate the request and provide a recommendation whether to issue a declaration, following established protocol and due diligence. But immediately, we will:

1. Establish an interagency workgroup Chaired and Vice-Chaired by Harvey Hollins and Chris Kelenske, respectively, and be comprised of DHHS, MDEQ, MSP, Treasury, Genesee County, City of Flint, MDE, LARA and external Subject Matter Experts (SMEs). Civil Rights may be added at a later time. If additional agencies/stakeholders who can assist with accomplishing the action plan are needed, they will be added. Personnel must be goal oriented, transparent with findings and measures of progress, and able to work toward accomplishing the Incident Action Plan created by the state in a timely manner. A draft Organization Chart is attached under separate cover. Staff will be needed that is familiar with disaster/emergency planning, operations, logistics, and finance as outlined by the National Incident Management System (NIMS). These management components would report to the chair/vice chair and ensure resource requests are tracked and the incident action plan objectives are created, documented, and completed.
2. This body should be created by Executive Order and it must complement and not replace the current system under the Emergency Management Act. In fact, it should demonstrate how to best leverage support where existing laws fall short under a man-made emergency.
3. Utilize the National Incident Management System and Unified/Incident Command as appropriate.
4. Establish routine communications protocols at the operational, executive, and legislative levels as determined appropriate.

5. Establish interagency workgroup objectives using the following as a starting point.

Interagency Workgroup Objectives

1. Determine and convey acceptable standards for potable water.
   - Identify needed remediation.
   - Convey the remediation plan objectives to all stakeholders and interested parties.
   - Logistics plan for distribution and serving homebound citizens with water and filtration
   - Implement the plan.
2. Determine health impacts for the impacted population.
   - Identify treatment methods.
   - Nutrition education and support
   - Coping with lead exposure (care, monitoring, neurodevelopmental screening, access to DBP specialists, psychologists/psychiatrists, expanded county services, etc.)
   - Convey the treatment plan objectives to interested parties.
   - Implement the plan.
3. Establish a public information protocol to effectively inform the community of the situation and actions taken.
   - Identify existing Public Information outlets within the city, county, and state.
   - Establish a Joint Information Center
   - Provide for Emergency Alerts and Updates
   - Leverage public and private education schools
   - Determine official information flow and approval of information.
   - Convey to interested parties.
4. Assess the status of the infrastructure and determine feasible actions to upgrade the water system.
   - Determine current state of the infrastructure.
   - Develop priorities, costs, and potential funding sources for infrastructure upgrades as part of a long term recovery plan.
   - Seek partners to assist (NGOs, Foundations, Business, etc.)
   - Implement the plan.

Final Thoughts

After the team provides input to this document, I would ask that Governor Snyder review and approve the approach, authorize Harvey Hollins to get the plan to Mayor Weaver no later than this weekend, and then proactively communicate the plan regardless of whether we get an Emergency declaration or not.

Also, we do not believe ~~setting up~~activating ~~an Emergency Command~~the State Emergency Operations Center (SEOC) ~~which requires 24/7 staffing~~ is sensible until AFTER Genesee County has demonstrated they did all they could, utilized all available resources to include contracts and mutual aid, and couldn't solve the problem. Additionally, this incident is more in the recovery phase where other types of coordination center are utilized. That is what is required under the ~~law~~Emergency Management Act.

Comment [CK1]: We do not always have 24 our staffing. It is dependent upon the incident.

Governor Rick Snyder
December 15, 2015
Daily Briefing

[redacted]

Flint Water Update	87 – 91

[redacted]

Redacted Pages 2-86, 92-94

Flint Drinking Water Action Plan Update

FOIA EXEMPT AND ATTORNEY-CLIENT PRIVILEGE

Key Actions:

On December 9, 2015, DEQ staff held a conference call with staff from the city of Flint and the U.S. Environmental Protection Agency (EPA) to discuss DEQ's comments regarding EPA's preliminary assessment of corrosion control optimization for the city of Flint. The preliminary assessment was to identify and document activities necessary to enable the EPA and the DEQ to provide advice and support the city in maintaining optimal corrosion control while maintaining their source of water from Detroit as well as during and after the upcoming transition to the Karegnondi Water Authority (KWA) pipeline. During the discussion, it was agreed that the document needed to be broken down into two separate documents. The first document would identify the absolute needs necessary for Flint to transition to the KWA for their source water. The second document would outline actions that the city of Flint could take moving forward that would provide useful scientific information but would not impede the transition to the KWA.

On December 11, 2015, staff from the DEQ, the EPA, and the city of Flint, along with their consultant (Lockwood, Andrews & Newnam, Inc. [LAN]), met to discuss the various projects that needed to be completed in order for the city to switch its water source to the KWA. The main topic of discussion was how to balance the overarching concern of ensuring that the transition did not create safety issues, while at the same time taking precautions to ensure that the project did not run overtime or over budget. There were a number of proposals made during the discussion, and LAN will meet with the EPA on December 15, 2015, to discuss the various options in more detail.

On December 11 and 12, 2015, staff from the DEQ and DLARA conducted a plumbing evaluation and subsequent sampling of the fixtures used for drinking water consumption at the Flint Community School's administration building and Holmes 3-6 STEM Academy in Flint. There were a total number of 74 samples taken at 12 different locations throughout the administration building and 222 samples taken at 43 different locations throughout the school. There were 296 samples taken in total at the two facilities.

Positions:

There are no new positions to report since last week.

Concerns:

During the meeting on December 11, 2015, among the DEQ, the EPA, the city of Flint, and LAN, the EPA proposed that the city of Flint run a 12-inch line in addition to the existing main that would enable the city of Flint to conduct in-depth studies for switching to the KWA. The cost of this line would be approximately $4 million, and currently there

is no funding source identified that could cover this expense. The city expressed concerns that it was being asked to cover expenses for measures that other supplies would not be expected to implement. LAN will meet with the EPA to discuss other options.

Significant Event:

On December 8, 2015, the Department of Technology, Management and Budget (DTMB) confirmed that the e-mail sent from Liane Shekter Smith on August 25, 2015, to Lee-Anne Walters was successfully delivered to the gmail.com system at the e-mail address provided by Ms. Walters. The DTMB was asked to confirm delivery of that e-mail based on an accusation that the DEQ never responded to an inquiry, and then when a copy of the original e-mail was provided, an accusation was made with respect to the authenticity of the e-mail.

Changes from Previous Report:

- DHHS incorporated comments from the DEQ regarding a phosphate fact sheet being designed for public education purposes. DHHS then finalized the fact sheet utilizing the suggestions provided by the DEQ.

- Instructions for lead and copper sampling were finalized, based on comments received from the EPA. The final draft was shared with city of Flint personnel on December 11, 2015, for use in their next round of lead and copper compliance monitoring. Microsoft Word and pdf versions were posted on the DEQ Web site on December 14, 2015, to replace the previous version of the instructions.

- The city of Flint has hired an outside consultant to identify 150 Tier 1 sites for a sampling pool for use in compliance with the Lead and Copper Rule. This effort is being taken to ensure that future sampling events include verified and documented Tier 1 sampling sites to ensure compliance with the Lead and Copper Rule.

- DEQ staff visited Control Station #2 to observe the operation of the phosphate feed system. The inspection of the phosphate feed system confirmed that the system is in operation and the system is dosing at 2.5 mg/l as phosphate. A couple of minor provisions had not been completed at the time of the inspection but do not currently affect the operation of the supplemental addition of phosphate to the water.

- DEQ staff modified the Act 399 construction permit for the Flint raw water transmission line. The modification was needed to allow for rerouting of the transmission main due to poor soil conditions that were encountered along the original route.

Other Item:

Attached is the revised Drinking Water Lead and Copper Sampling Instructions document.

Prepared by: George Krisztian, Flint Action Plan Coordinator
Laboratory Director
Department of Environmental Quality
Telephone: 517-284-6719
Cell: [redacted]
December 14, 2015

DRINKING WATER LEAD AND COPPER SAMPLING INSTRUCTIONS

Dear Resident:

Thank you for helping to monitor for lead and copper in your drinking water. This sampling is required by the federal and state Safe Drinking Water Acts, and is being accomplished with the cooperation of homeowners, residents, and water system customers.

It is important that you follow these instructions so we obtain an accurate measurement of the lead and copper in your drinking water. This sample should represent the water you would typically drink and the faucet from where you drink the water. Select a faucet for sampling that was used the day before you intend to sample. Call your water supply if you have questions.

1. Water must sit idle in the pipes for an extended length of time before sampling. Therefore, do not use any water in the house for at least 6 hours before sampling. The best times to sample are early morning or after returning from work.

2. Select an unfiltered/untreated faucet in the **KITCHEN** or **BATHROOM** that is commonly used for drinking. **DO NOT** sample from a laundry sink or a hose spigot as these samples cannot be used for compliance. **DO NOT** use a faucet that has a filter attached to it unless you bypass the filter. **DO NOT** use a faucet that is connected to a home water treatment device (like a water softener, iron filter, reverse osmosis) unless you bypass the home water treatment device.

3. Place the open sample bottle below the faucet and gently open the **COLD** water tap. If you have a single handle faucet, turn it fully to the **COLD** side. Fill the sample bottle to the neck with the "first draw" of **COLD** water.

4. Tightly cap the sample bottle and place in the sample kit provided. Review the sample kit label to ensure all information contained on the label is complete and correct.

5. Answer the questions on the back of this form and sign the form.

6. Attach this form to the bottle and leave it outside your front door for pick-up.

7. Thank you again for your help. We will send you your individual results within 30 days of receiving them from the laboratory. A summary of information on this year's lead and copper monitoring will be printed in the annual water quality report that will be made available by July 1 of next year. Contact your water supply if you have questions.

If you have questions call:
Water Supply: _____

Manager or
Water Operator: _____

Phone: _____

Or Contact:
Michigan Department of Environmental Quality

DEQ Contact: _____

Phone: _____

(rev. 12/2015)

TO BE COMPLETED BY RESIDENT/CUSTOMER

A. Which faucet did you use to fill the bottle?

☐ Kitchen ☐ Main bathroom ☐ Other

If OTHER, please describe: _____

_____

B. When was the faucet last used before sampling?

Date _____ TIME _____ AM/PM

Note: If the faucet has been idle more than 24 hours, we might not analyze your sample or be able to use your sample for compliance purposes.

C. When did you fill the bottle?

DATE _____ TIME _____ AM/PM

D. Is there a faucet mount filter? ☐ YES ☐ NO

If YES, was it bypassed? ☐ YES ☐ NO

E. Is this faucet connected to a home treatment device such as a water softener, a reverse osmosis unit, an iron removal device OR is any kind of additive used in the home? ☐ YES ☐ NO

If YES, please describe: _____

_____

Note: If you have a home treatment device OR any kind of additive is used, it is possible we might not analyze your sample or be able to use your sample for compliance purposes.

F. If any plumbing repairs or replacement has been done in the home since the previous sampling event, please note this information here:

If YES, please describe: _____

_____

I have read the Drinking Water Lead and Copper Sampling Instructions and have taken a tap sample in accordance with these directions.

_____

Signature

Modified: Fri 2/12/2016 12:00 AM

City of Flint water meeting with Jim Ananich

drinking water revolving loan fund - paying $2million per year- relief for repaying this to help stabalize rates, upgrades to system, technical support (maybe we can look at deferrment for 2 years until the new system is in place)

distressed city grant request submitted- treasury expects decisions this week

Do smaller meetings with interested groups- colleges/universities, pastors etc: follow up with the public safety model- Harvey can take the lead on a similar work group. Dan Wyant, Harvey Hollins, Rep Ananich, Nick Lyon??- Harvey Hollins needs to start looping in Ananich to everything going on in Flint.

Modified: Fri 2/12/2016 12:00 AM

DEQ Director Meeting

Flint Water- 1. Gina McCarthy, EPA administrator, being approached by media, legislature etc and is very concerned. If we did not do a press confernece, they would have done something. 2. When they switched to DWSD we did not require corrosion control

Budget- 1 mill reduction: reduce some mid management positions,
Increase side- 3 areas, 2.9 mill GF for drinking water revolving fund (must maintain a certain fund balance to keep federal match) 3. QOL agencies looking for funding for invasive species, funding A person to coordinate with energy initiative

Modified: Fri 2/12/2016 12:00 AM

COS

Do another review through the whole process

what do different levels of lead mean, why do they fluctuate (higher in summer etc) Need to do a better public awareness on lead testing

Emergency management: if there is a shooter situation, do we have grief counselors etc. Find out what is required at schools etc.

From: Clement, Elizabeth (GOV)
Sent: Tuesday, August 19, 2014 3:06 PM
To: Smith, Paul (GOV)
Subject: Fwd: Conference Call Agenda
Attachments: Agenda 081914 and Attachment.pdf; ATT00001.htm

Paul,

You should probably start joining these calls. I only join for the very beginning where we discuss public safety and I do not usually say anything, just listen, answer questions or tell them i will get back to them on public safety issues that come up in Flint. We originally started this to keep tabs on the previous EM and Chief but the existing ones are fantastic and really do not need hand holding. It is helpful for you to hear what they are doing though. I always hang up when they move to the financial stuff. Sam can probably reach out to Maxine to add you.

Beth

Sent from my iPad

Begin forwarded message:

> **From:** Maxine Murray <mmurray@cityofflint.com>
> **Date:** August 19, 2014 at 2:36:14 PM EDT
> **To:** <byrner1@michigan.gov>, <kappg@michigan.gov>, <muchmored@michigan.gov>, <robertsj9@michigan.gov>, <wests2@michigan.gov>, "Angela Dempkowski (Treasury)" <DempkowskiA@michigan.gov>, "Baird, Richard (GOV)" <bairdr@michigan.gov>, "Brian Larkin (GOV)" <larkinb@michigan.gov>, "Darnell Earley" <dearley@cityofflint.com>, "Deasy, Thomas (MSP)" <deasyt@michigan.gov>, "Edward Koryzno (Treasury)" <koryznoe@michigan.gov>, "Elizabeth Clement (GOV)" <clemente@michigan.gov>, Elizabeth Murphy <emurphy@cityofflint.com>, "Etue, Kriste (MSP)" <EtueK@michigan.gov>, "Harvey Hollins (GOV)" <hollinsh@michigan.gov>, James Tolbert <jtolbert@cityofflint.com>, Jerry Ambrose <gambrose@cityofflint.com>, "Josephine Klotz (MSP)" <KlotzJ@michigan.gov>, "Lee, Nichole (MSP)" <leen3@michigan.gov>, "McGowan, Emmitt (MSP)" <McGowanE1@michigan.gov>, "Sands, Thomas (MSP)" <sandst@michigan.gov>, "Sipes, Stephen (MSP)" <sipess@michigan.gov>, "Stephen O'Neill (MSP)" <ONeillS@michigan.gov>, "Thomas Saxton (Treasury)" <SaxtonT@michigan.gov>, "Wayne Workman (TREASURY)" <WorkmanW@michigan.gov>
> **Subject: Conference Call Agenda**
>
> Good afternoon,
>
> Please find attached the agenda for the Wednesday, August 20th, 9:00 am conference call.
>
> Thank you.
>
> --
> Maxine Murray

Executive Assistant to
Mayor Dayne Walling
Darnell Earley, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

City of Flint Wednesday 9:00am Phone Conference Agenda
August 20, 2014

1) **Public Safety Update – FPD, MSP, (FFD, if needed)**
   a) FPD –
      i. FBI vs FPD stats variation
   b) FFD
   c) Traffic Accidents Resulting in Death of Flint Citizens – Update on Strategies Special ALPACT Meeting scheduled for August 22, 2014
   d) Would like to have a statement of the mission, goals, and objectives of MSP/FPD collaboration.
   e) Other update from Chief Tolbert and MSP

2) **Governor's Office Update – R. Baird, H. Hollins, B. Clement**
   a) Court Consolidation

3) **Lawsuits – Status, Issues**
   a) Retiree Lawsuit – On June 30, 2014 Judge Tarnow issued an order modifying in part his preliminary injunction barring the City from modifying retiree health care benefits. While the details of the Judge's recent order are still being reviewed, and while the details of implementing the order are still being developed, it appears that the ruling will have a positive financial impact on the City, at least for the period while the litigation continues. A meeting between the City and Cornerstone was held on July 21, 2014 to discuss the compilation of alternatives based on Judge's new orders. An implementation date is anticipated in the second quarter of the year.

4) **Financial Update**
   a) Remaining bargaining units in "meet and confer" sessions: Fire, Sgts., and Capts. & Lts.
   b) Need to start to develop a plan to begin pre-funding employee healthcare.

5) **City Council Update**
   a) Councilman Eric Mays was sentenced to 72 days in jail following impaired driving sentencing. He was released, pending appeal, with a $15,000 bond.
   b) Council wants to retain an attorney for an outside legal opinion on when the 18 month term (to allow them to remove the EM) commenced. They discussed asking Darnell for the money to hire an outside attorney, but they ultimately have decide to pool their own money.
   c) A grid-timeline is being developed using the 7 point Transition Management plan. This will be used as an itemized list of steps to be completed in order to prepare for transition. (See attached)

6) **Blue Ribbon Committee on Governance**
   a) Five Charter Amendments and the question of whether to have a general revision of the current charter have been placed on the November ballot. These were as recommended by the BRC.

7) **Water Issues**
   a) The cost of providing water is becoming a state-wide issue for distressed communities. Let's begin a larger conversation on both the impacts and the potential limitations for cities and how the State could play a role. Meeting held last week with United Way and Resource Genesee to discuss options for residents who receive water shut off notices.
   b) Glenn Acres – water turn-on order from Judge Hayman
   c) Limited area boil-water notice
   d) General Motors Water Issues

8) **Messaging**
   a) A plan is being developed to present to the community at-large and to the various interest groups (i.e. business, investors, foundations) the background of the financial emergency, the actions taken and next steps to emerge from receivership. This will be an on-going item for discussion.

9) **Recruitment and Selection of City Administrator/Manager**
   a) Provide guidance on several considerations: duration of appointment, contract, consistent with TAB, working with TAB, etc.
   b) Emergency Manager is developing a recruitment and selection calendar; recruitment to begin September 1, 2014.

10) **Other Items**

Attachment: Steps to Prepare for Transition from Emergency Manager to Receivership Transition Advisory Board

[redacted]

Created on: 08/15/14

Steps to Prepare for Transition From Emergency Manager to Receivership Transition Advisory Board

	Target	Completion	7 Pt. Trans. Plan #	Comments
Chief Administrative Officer			4	
* National Recruitment	9/1/14			
* Appoint Selection Committee				
* Select finalists				
* Conduct Interviews				
* Recommend Candidate				
* EM Appoints Selected Candidate	12/1/14			
Organizational Development				
* EM/Mayor determine recommended City organizational structure	5/17/14	5/17/2014	4	
* EM/Mayor recommend Council action on ordinance changes to implement organizational structure		6/26/2014	4	
* Council to review and adopt revised organizational structure	5/17/14	6/26/2014	4	
* Finalization organizational structure roles: Mayor, Council, Administration	6/26/14	6/26/2014	4	
Complete Bargaining Units Contracts			4	
* Local 1600	7/1/14	Ratified		
* Local 1799	7/1/14	Ratified		
* FPOA	7/1/14	Imposed		
* PD - Sgts.	7/1/14			
* PD -Capts & Lts.	7/1/14			
* Fire Union	7/1/14			

Steps to Prepare for Transition From Emergency Manager to Receivership Transition Advisory Board

	Target	Completion	7 Pt. Trans. Plan #	Comments
Comprehensive Public Safety Study			4	
* Contract with ICMA for Study		5/8/2014		
* Collect Data				
* Receive Draft Report	9/30/14			
* Receive Final Report				
* Plan Implementation				
* Determine best, most appropriate use of $1.1 million State Allocation				
Retiree Health Care Lawsuit			5	
* City Notified of Lawsuit				
* Injunction Received		1/13/2014		
* Injunction Modified		6/30/2014		
Cornerstone determines impact on				
* FY15 & 16 Budget	9/1/14			
* Implement Modifications	11/1/14			
* Scheduling Conference				
* Mayor and Council to support City's position on retiree health care or adopt measures offsetting increased costs	6/26/14	6/26/2014	5	
Biennial Budget Implementation			6	
* Biennial Budget Adopted		6/26/2014		
* 1st Quarter Status	10/1/14			
* 2nd Quarter Status	1/1/15			
FY 14 Budget Close Out				
* Preliminary Close				

Steps to Prepare for Transition From Emergency Manager to Receivership Transition Advisory Board

	Target	Completion	7 Pt. Trans. Plan #	Comments
* Audit Received	11/30/14			
Governance				
* EM receives BRC Final Report	7/18/14	7/18/2014	3	
* Present Report to Mayor and City Council	7/28/14	7/28/14		
* Mayor and Council Submit Comments to EM			3	
* EM Orders BRC Recommended Charter Admendments and Charter Commission Initiative on Nov. Ballot	7/30/14	8/5/2014		
* EM develops proposed governance structure and sends to governor			3	Part of Final Order
* Mayor and Council Comments on EM Proposal	7/28/14	7/28/2014	3	
* Define and incorporate financial and organizational best practices	3/25/13	3/25/2014	7	Reso on TAB
Deficit Elimination/Reserve Accumulation Plan			1	
* EM Submits Plan to Treasury	7/1/14			
* Treasury Approval Received		7/16/2014		
* EM Orders DE/RAP Adoption		7/15/2014		
* City Council passes resolution of support for DE/RAP		3/25/2014	1	Reso on TAB
* Confirmation by Mayor and Council that DE/RAP actions will be a top priority in budgeting	6/26/14	6/26/2014	1	

Steps to Prepare for Transition From Emergency Manager to Receivership Transition Advisory Board

	Target	Completion	7 Pt. Trans. Plan #	Comments
City Council Activity				
* Council to receive quarterly reports from Mayor/Fin. Director on progress of achieving strategic objectives and priorities	9/22/14		6	
* Completion of City Ordinance Review by Council as proposed by EM	9/22/14		3	
* Review Strategic Plan, FY16 Budget	1/20/15		6/7	
* 6 mos. FY15 Budget Review/Amendments	1/20/15		6/7	
* Strategic Plan to be updated annually	2/20/15		6	
* Completion of MML Level One Education Award per EM Order 2	3/28/14		7	
Five Year Financial Analysis			2	
* City Council adopts 5 Year Analysis	6/1/14	6/1/2014	2	
* Finance/Adm Cmte shall annually review analysis in February each year and Send to Council for approval	2/20/15		2	
Issue outgoing EM Order	4/8/2015			

From: Clement, Elizabeth (GOV)
Sent: Wednesday, September 10, 2014 1:59 PM
To: Workman, Wayne (TREASURY); Muchmore, Dennis (GOV); Saxton, Thomas (Treasury)
Subject: RE: PRESS RELEASE: Boil Water Advisory Lifted

The boil water advisory was lifted yesterday while I was talking to John Gleason. The source has still not been identified and the plant and DEQ are working to figure it out. I told Gleason that his suggestion to have contingency plans for these water events makes great sense but I had to look into the specifics of using the Guard and I would get back to him. This is more for DEQ and the Guard to assist with at this time but please keep us posted on what the EM may share as far as updates.

From: Workman, Wayne (TREASURY)
Sent: Wednesday, September 10, 2014 1:46 PM
To: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Saxton, Thomas (Treasury)
Subject: FW: PRESS RELEASE: Boil Water Advisory Lifted

Water is back on as of yesterday. Checking with City on how confident they are that it is fixed.

From: Byrne, Randall (Treasury)
Sent: Wednesday, September 10, 2014 1:33 PM
To: Workman, Wayne (TREASURY)
Cc: Koryzno, Edward (Treasury)
Subject: FW: PRESS RELEASE: Boil Water Advisory Lifted

Wayne:

I received this late yesterday.

Randy,

From: Jason Lorenz [mailto:jlorenz@cityofflint.com]
Sent: Tuesday, September 09, 2014 5:15 PM
To: Jason Lorenz
Subject: Re: PRESS RELEASE: Boil Water Advisory Lifted

PLEASE SEE ATTACHED.

Thank You.

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

On Tue, Sep 9, 2014 at 4:36 PM, Jason Lorenz <jlorenz@cityofflint.com> wrote:

For Immediate Release (Official Signed Notice to Follow)

City of Flint Boil Water Advisory Lifted

Flint, Michigan – September 9, 2014 – The City of Flint's Utilities Department and the DEQ have lifted both of the boil water advisories from this week for a western portion of the city. Testing results from all areas of the city confirm that the water is safe for all purposes. "The investigation into the cause of the boil water advisories continues," said Emergency Manager Darnell Earley, "we will share the results from that investigation once it is available."

–END–

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

From: Clement, Elizabeth (GOV)
Sent: Monday, October 06, 2014 4:19 PM
To: Ellison, Melanie (GOV)
Cc: Scott, Allison (GOV)
Subject: Fwd: September 2014 Gov Memo and Summary
Attachments: Oct Gov Memo.docx; ATT00001.htm; 10-1-14 - 436Summary.docx; ATT00002.htm

Do you know if the Governor has gotten this info?

Sent from my iPad

Begin forwarded message:

> **From:** "Workman, Wayne (TREASURY)" <WorkmanW@michigan.gov>
> **Date:** October 3, 2014 at 1:58:51 PM EDT
> **To:** "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Clinton, Kevin (TREASURY)" <ClintonK1@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>, "Wisniewski, Wendy (GOV)" <wisniewskiw@michigan.gov>, "Scott, Allison (GOV)" <scotta12@michigan.gov>
> **Cc:** "Saxton, Thomas (Treasury)" <SaxtonT@michigan.gov>, "Stanton, Terry A. (Treasury)" <StantonT@michigan.gov>, "Gelisse, Ashley (TREASURY)" <GelisseA@michigan.gov>, "Baird, Richard (GOV)" <bairdr@michigan.gov>, "Dempkowski, Angela (Treasury)" <DempkowskiA@michigan.gov>
> **Subject: September 2014 Gov Memo and Summary**
>
> All: Attached please find an update of issues and actions regarding distressed local governments and school districts through September 2014. Let me know if you have any questions or need additional information.
>
> Wayne Workman | Deputy State Treasurer
> State of Michigan | 430 W. Allegan Street | Lansing, MI 48922

3500 (Rev. 01-11)

STATE OF MICHIGAN
DEPARTMENT OF TREASURY

RICK SNYDER
GOVERNOR

R. KEVIN CLINTON
STATE TREASURER

DATE: October 3, 2014

TO: Rick Snyder, Governor

FROM: R. Kevin Clinton, Treasurer

SUBJECT: Status of Financially Stressed Local Governments

EMERGENCY MANAGER

Flint

Redacted

Significant Actions/Issues

- On September 5, 2014 a boil water advisory was issued due to multiple positive tests for "total coliform" covering approximately a 9 square mile area. This was caused from a broken valve which feeds the transition main.

Redacted

- The sale of the water pipeline for $3.9M was completed in June 2014.

Redacted Pages 2-10

Attachment Redacted as Irrelevant

From: Clement, Elizabeth (GOV)
Sent: Tuesday, September 29, 2015 11:54 AM
To: Muchmore, Dennis (GOV)
Subject: Re: How does Kalenske fit into the Flint water issue?

Not really sure. He is the best person to assist with coordination of distribution.

Sent from my iPad

> On Sep 29, 2015, at 11:34 AM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:
>
>

From: Clement, Elizabeth (GOV)
Sent: Wednesday, October 07, 2015 6:44 AM
To: Zimmer, Mike (LARA)
Subject: Re: Flint

Karen could be really helpful.

Sent from my iPhone

> On Oct 6, 2015, at 6:25 PM, Zimmer, Mike (LARA) <zimmerm@michigan.gov> wrote:
>
> I am scratching my head a bit over what LARA could do to assist in the Flint situation. I can think of a couple things, but they are pretty tangential:
>
> 1) MIOSHA: The bureau has a lab - I have reached out to Martha Yoder, the bureau director, to see if they have water testing capabilities.
> 2) BCC: We can do inspections (and permitting) upon request - like we tried to do in the Detroit demo project. Irv Poke, the bureau director there, has already talked to DEQ about some pipe inspection in Flint schools, but we may be able to go farther if there is a need.
> 3) MAE/PSC: Really can't think of anything, but they have lots of weird programs, so I have reached out to Val for suggestions.
> 4) Organization: The Flint situation could benefit from a "all hands on deck" working group like that we have done for the last several years with winter fuels. Mostly the same cast of characters with a few departmental additions and a switch in the impacted interest groups. If Dan (or someone else) wants to run lead, I could loan Karen Towne to either staff/organize the meetings/calls or train the department staff person on the template of how these work. She is pretty experienced in organizing this kind of thing.
>
> Will keep thinking, but that's all I can come up with on short notice.
>
> Mike
>
> Sent from my iPad

From: Clement, Elizabeth (GOV)
Sent: Wednesday, October 07, 2015 8:28 AM
To: Zimmer, Mike (LARA)
Subject: Re: Flint

That is helpful.

Sent from my iPad

> On Oct 7, 2015, at 7:52 AM, Zimmer, Mike (LARA) <zimmerm@michigan.gov> wrote:
>
> Val reminded me last night that while water utilities is no his specialty, John Q is very expert in utility financing
>
> Sent from my iPhone
>
>> On Oct 7, 2015, at 6:45 AM, Clement, Elizabeth (GOV) <clemente@michigan.gov> wrote:
>>
>> Karen could be really helpful.
>>
>> Sent from my iPhone
>>
>>> On Oct 6, 2015, at 6:25 PM, Zimmer, Mike (LARA) <zimmerm@michigan.gov> wrote:
>>>
>>> I am scratching my head a bit over what LARA could do to assist in the Flint situation. I can think of a couple things, but they are pretty tangential:
>>>
>>> 1) MIOSHA: The bureau has a lab - I have reached out to Martha Yoder, the bureau director, to see if they have water testing capabilities.
>>> 2) BCC: We can do inspections (and permitting) upon request - like we tried to do in the Detroit demo project. Irv Poke, the bureau director there, has already talked to DEQ about some pipe inspection in Flint schools, but we may be able to go farther if there is a need.
>>> 3) MAE/PSC: Really can't think of anything, but they have lots of weird programs, so I have reached out to Val for suggestions.
>>> 4) Organization: The Flint situation could benefit from a "all hands on deck" working group like that we have done for the last several years with winter fuels. Mostly the same cast of characters with a few departmental additions and a switch in the impacted interest groups. If Dan (or someone else) wants to run lead, I could loan Karen Towne to either staff/organize the meetings/calls or train the department staff person on the template of how these work. She is pretty experienced in organizing this kind of thing.
>>>
>>> Will keep thinking, but that's all I can come up with on short notice.
>>>
>>> Mike
>>>
>>> Sent from my iPad

From: Clement, Elizabeth (GOV)
Sent: Tuesday, November 24, 2015 11:59 AM
To: GovCalendar
Subject: Accepted: RDS/DM/JA/EC/RB/DMurray/HH/DWyant/NLyon/MAnderson - Flint After Action Call

From: Clement, Elizabeth (GOV)
Sent: Thursday, December 03, 2015 9:47 PM
To: Murray, David (GOV)
Subject: Fwd: ACTION NEEDED on Flint water documents

Can you make sure Rich gets all things flint water related?

Thanks!!

Sent from my iPhone

Begin forwarded message:

> **From:** "Baird, Richard (GOV)" <bairdr@michigan.gov>
> **Date:** December 3, 2015 at 5:21:23 PM EST
> **To:** "Clement, Elizabeth (GOV)" <clemente@michigan.gov>
> **Subject: Re: Fwd: ACTION NEEDED on Flint water documents**
>
> I would like to be on dist. list. Thanks.
>
> *Sent from my Verizon Wireless 4G LTE DROID*
> On Dec 3, 2015 2:39 PM, "Clement, Elizabeth (GOV)" <clemente@michigan.gov> wrote:
> Do you want to be on these emails or do you prefer I forward them separately to you? Trying to be respectful of your role with the after action team.
>
> Sent from my iPhone
>
> Begin forwarded message:
>
> > **From:** "Murray, David (GOV)" <MurrayD1@michigan.gov>
> > **Date:** December 3, 2015 at 12:43:51 PM EST
> > **To:** "Snyder, Rick (GOV)" <[redacted]>
> > **Cc:** "Scott, Allison (GOV)" <scotta12@michigan.gov>, "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>, "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>
> > **Subject: ACTION NEEDED on Flint water documents**
> >
> > Good afternoon Governor,
> >
> > Sorry for the quick turnaround time on this, but DHHS is hoping to issue the release this afternoon to avoid issuing news on Friday. The DHHS team has answered the questions and made significant revisions to the press release at my request. I think this is far more reader friendly and people focused.

Here are the specific answers to the questions:

Do the elevated lead levels stick with a person for life?

We do see blood lead levels decrease after education takes place and exposure to lead sources is reduced. The purpose of screening children for lead is to identify those with elevated levels. Removing potential sources of lead exposure and ensuring proper nutrition and healthcare leads to decreases in blood lead levels in follow-up testing, which is an important part of case management. Lead has a half-life in blood of approximately 25 days; in soft tissue, about 40 days; and in the non-labile portion of bone, more than 25 years.

Why do the lead levels spike on a seasonal basis?

When reviewing historical trend data, the risk of lead exposure is highest during the third quarter of each year – July through September. Seasonal variation is the result of a number of factors including increased exposure to lead in dust and soil in the summer months.

DHHS is requesting to issue this at 2 p.m. with Dr. Wells available to answer questions.

Thank you for your consideration.

Dave

The notifications will be timed as follows:

1:30 p.m.

- Send final embargoed release and summary report to:
  - Genesee County Health Department – Geralyn Lasher
  - Dr. Mona Hannah-Attisha – Geralyn Lasher

- Task Force Members – Geralyn Lasher
- City of Flint Mayor's Office – Geralyn Lasher
- Congress and legislature – Elizabeth Hertel

2 p.m.

- Issue press release and summary report
- Post press release and summary report to MDHHS website newsroom and Flint Water website, www.michigan.gov/flintwater

Please let me know if you have any additional questions, edits or concerns.

Thank you,

Jennifer Eisner

Public Information Officer

Michigan Department of Health and Human Services

Office: 517-241-2112 or EisnerJ@michigan.gov

Cell: [redacted]

From: Clement, Elizabeth (GOV)
Sent: Tuesday, December 08, 2015 2:29 PM
To: Lyon, Nick (DHHS); Baird, Richard (GOV)
Subject: RE: Flint Lead information

Are these sent to the Gov and if so, how often?

From: Lyon, Nick (DHHS)
Sent: Thursday, December 3, 2015 10:54 AM
To: Baird, Richard (GOV) <bairdr@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>
Subject: FW: Flint Lead information

FYI. These are the regular reports I am now receiving.

From: Clement, Elizabeth (GOV)
Sent: Tuesday, December 08, 2015 4:35 PM
To: Lyon, Nick (DHHS)
Cc: Baird, Richard (GOV)
Subject: Re: Flint Lead information

I don't think that is necessary. I was just checking.

Sent from my iPhone

On Dec 8, 2015, at 4:25 PM, Lyon, Nick (DHHS) <LyonN2@michigan.gov> wrote:

> We were doing a less formal version and sending to Dan before last week. We had agreed that he'd put together the responses for the 10 point plan. We were providing updates to Dan a couple of times per week. I wanted to know more so I've asked for these on a daily basis.
>
> I have not sent to the Gov. I can if you want me to. I could send to him and copy Dan.
>
> On Dec 8, 2015, at 2:29 PM, Clement, Elizabeth (GOV) <clemente@michigan.gov> wrote:
>
> > Are these sent to the Gov and if so, how often?
> >
> > ---
> >
> > **From:** Lyon, Nick (DHHS)
> > **Sent:** Thursday, December 3, 2015 10:54 AM
> > **To:** Baird, Richard (GOV) <bairdr@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>
> > **Subject:** FW: Flint Lead information
> >
> > FYI. These are the regular reports I am now receiving.

From: Clement, Elizabeth (GOV)
Sent: Wednesday, December 30, 2015 8:58 PM
To: Creagh, Keith (DNR)
Subject: Re: Attorney Client Work Product (Draft), Privileged and Confidential

Thanks. I have concerns similar to Harvey. Who at the local level??

Sent from my iPhone

On Dec 30, 2015, at 8:55 PM, Creagh, Keith (DNR) <creaghk@michigan.gov> wrote:

> I sent this to Chris only. Not for broad group consumption but wanted to ask a couple of questions. The chair would be the singular lead.
> Keith
>
> Sent from my iPad
>
> Begin forwarded message:
>
> > **From:** "Creagh, Keith (DNR)" <creaghk@michigan.gov>
> > **Date:** December 30, 2015 at 8:48:39 PM EST
> > **To:** "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov>
> > **Subject: Re: Attorney Client Work Product (Draft), Privileged and Confidential**
> >
> > So just to you-has it been decided that it is only our responsibility to fix? Is it mere resource request. Wouldn't the chair be the singular lead with the co-Vice chairs having some skin in the game? At the end of the day it will be important for the locals to buy in at the responsibility/programmatic level. I am new to the discussion so will yield to your expertise. Keith
> >
> > Sent from my iPad
> >
> > On Dec 30, 2015, at 8:38 PM, Kelenske, Chris (MSP) <KelenskeC@michigan.gov> wrote:
> >
> > > The concern I have with having a local as a vice chair is that this is being pushed to the state level to fix. Similar to an emergency that reaches the state level, we need to have one lead to move this forward and that should be at the state level. I have run numerous state and federal disasters in this manner. The locals are pushing the request for resources to the state so this is them saying they cannot do anything more and handing this off to the state. This is one of the areas I mentioned that needs to stay consistent with the Emergency Management Act and how we manage incidents.
> > >
> > > Locals still have a voice in this (one way is that they are generating the requests for resources to assist).
> > >
> > > Chris

From: Creagh, Keith (DNR)
Sent: Wednesday, December 30, 2015 8:15 PM
To: Baird, Richard (GOV)
Cc: Agen, Jarrod (GOV); Clement, Elizabeth (GOV); Hollins, Harvey (GOV); Kelenske, Chris (MSP); Holland, Meegan (GOV); Murray, David (GOV); Redford, James (GOV); Becker, Timothy (DHHS); Roberts, John (DTMB); Etue, Kriste (MSP); Lyon, Nick (DHHS)
Subject: Re: Attorney Client Work Product (Draft), Privileged and Confidential

Thanks for the opportunity to comment. I agree with Jim that it would be good to have a local entity at least be a co vice chair if possible. I would question statement of need wording and ask that it be reflect of the need for additional resources, integrated approach, additional professional expertise, enhanced communication,coordination and connection...you get the gist. Rich I would be happy to discuss at your convenience if appropriate. This would appear consistent with the request from Flint. Also in my limited (and I stress limited) discussions today I asked what success looked like and it included many of the suggested components. The individual I was speaking with wanted to further explore:
Increased funding/focus for Head start to get ahead of the curve
School nutrition and distribution systems (year around)
Fresh produce/local foods

Individual health screening
Infrastructure improvements

I know most if not all are identified in the outline but might want to further explain the nutrition component if the Docs in the group say it might be beneficial for those involved.

Thanks again-Keith

Sent from my iPad

On Dec 30, 2015, at 6:57 PM, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:

> Team:
>
> Today Harvey and I met with the Flint Water Task Force. It was a good meeting. People were pleased with the G's statement from the prior day. Captain Kelenske joined us and we had a very good discussion about moving forward with the creation of the Flint Water Crisis Agency Coordinating Committee (FIACC). Tim Becker and Captain Kelenske provided me with a fair amount of input. I also read the City of Flint Incident Action Plan for a State of Emergency which

Chris received today (enclosed for those who wish to read it as well). I have distilled all of this into a two page plan that I want your edits and comments on and a one page organizational chart (now presented in the "governor's colors" according to our fine people in Communications). Spoiler alert—I made Captain Kelenske Vice Chair of the whole shebang (with the Colonel's blessing) so Harvey wouldn't get lonely.

Here is my ask of you:

1) Within 24 (sooner if you can) hours give me your comments and input
2) Tomorrow I will turn around a final document for Jarrod to review with the Governor either New Year's Day or Saturday
3) Ideally, Governor will approve Harvey sending it to Mayor Weaver Saturday (Sunday latest)
4) Mayor needs to know that this is what the Governor wishes to discuss at the meeting January 7 along with financial resources that we still need some estimates on cost from DHHS for
5) Meegan and Dave need to noodle how best to get out front with this and change the narrative focus on Monday's Genesee County declaration of emergency

I know we are all working way too hard for what should be a rest and recharge period but I do appreciate everyone's efforts and I know the Boss really does as well.

Regards,

Rich

<A Proposal to Create the Flint Water Inter.docx>

<IA Coord Com Org Chart.jpg>

<IAP Flint Water 2015-12-29.pdf>

Subject: FW: RDS/GT/VB - KWA & DWSD (Water) Meeting
Location: Governor's SE MI Office

Start: Fri 4/19/2013 3:00 PM
End: Fri 4/19/2013 4:30 PM
Show Time As: Out of Office

Recurrence: (none)

Meeting Status: Accepted

Organizer: GovCalendar

-----Original Appointment-----
From: Emmitt, Beth (GOV) **On Behalf Of** GovCalendar
Sent: Thursday, April 18, 2013 1:42 PM
To: GovCalendar; Hichez, Amy (Treasury); Muchmore, Dennis (GOV); Wisniewski, Wendy (GOV); Rustem, William (GOV); Brader, Valerie (GOV); Tedder, Greg (GOV)
Cc: Clayton, Stacie (GOV); Thelen, Mary Beth (DEQ)
Subject: RDS/GT/VB - KWA & DWSD (Water) Meeting
When: Friday, April 19, 2013 3:00 PM-4:30 PM (UTC-05:00) Eastern Time (US & Canada).
Where: Governor's SE MI Office

[redacted]
Host: [redacted]– SClayton to dial in as Host

Attendees:
RDS/GT in person, Val Brader by phone
Mr. Orr by phone
Harvey Hollins by phone or in person
Attending from DWSD: Jim Fausone, Sue McComerick (Director), Nikki Bateson (CFO) Attending from Flint: Ed Kurtz (he is sending his attendee list over shortly)
Attending from Treasury: Andy Dillon

TO: Governor Snyder
CC: Dennis Muchmore, John Roberts, Harvey Hollins, Allison Scott

FROM: Bill Rustem

SUBJECT: Flint Water System

DATE: April 18, 2013

Governor, this information was compiled by the Department of Treasury.

Summary

In November 2012 the Department of Treasury commissioned the firm of Tucker, Young, Jackson & Tull, Inc. (TYJT) to analyze options for the City of Flint to either remain a customer of the Detroit Water & Sewer Department (DWSD) or to join the Karegnondi Water Authority (KWA) in Genesee County. The purpose of this study was to provide objective analyses to the State Treasurer and Flint's Emergency Financial Manager (EFM) in order to secure future potable drinking water for the City.

In December 2012, staff from TYJT met with representatives from the Department of Treasury and the City of Flint to provide a preliminary report on their findings. At this meeting, five options were presented: These options ranged from the Flint Water Plant providing 100% water, to 100% provision of untreated Lake Huron Water by KWA, to 100% provision of treated drinking water by DWSD, or provision of variable amounts of water from DWSD using a combination of blended DWSD water and Flint River water.

From the presentation of the preliminary report in December 2012 to the submission of the final report by TYJT in January 2013, a number of developments made arriving at a final decision very difficult.

- DWSD provided the City of Flint with at least two modified proposals to consider.
- A debate ensued between TYJT and KWA's principal engineering firm regarding the others' conclusions and estimates for construction of the KWA pipeline.
- The Flint EFM eliminated all options except the 100% DWSD option or joining KWA.

In January 2013, the Office of Financial Review (OFR) provided a comprehensive report to the State Treasurer analyzing three questions: 1) The projected construction costs and why Treasury believed the projections provided by Flint/KWA were acceptable; 2) Identification of the construction contingencies; and 3) Identification of the options Flint will utilize in the event of a construction cost overrun or a delay in construction. At the end of this report, the OFR recommended to the State Treasurer that KWA presented the best future option for future potable water. The OFR also concluded that KWA appeared to be the cheaper option; the quality of water would improve; Genesee County appeared willing to assist the City in securing the financing for their portion of the project; the KWA project could signify the beginning of better collaboration between the City of Flint and Genesee County; and the KWA project had both political and popular support.

Between January and April, intense scrutiny of the various proposals was undertaken by Treasury and Flint officials. Treasury officials met with officials from Genesee County to gain a better understanding of the KWA project. In February 2013, Genesee County opened bids for construction of the Lake Huron intakes. This bid opening represented the first meaningful step toward commencing construction of the KWA system. The bid was $3-million less than projected.

In March 2013, Treasury was notified that DWSD had contacted Flint to negotiate with the City to retain them as a customer. On April 12, 2013, the State Treasurer authorized the Flint EFM to join KWA, pending review of any final offer from DWSD. A final offer was received from DWSD on April 15, 2013.

DWSD's final offer provided two options. The first option was for a "supply only" rate schedule. Only water treatment costs would be recovered and DWDS would absorb all other delivery costs. Capital and operating revenue charges would be calculated based upon KWA's usage relative to the entire demand upon DWSD's Lake Huron WTP. KWA would also have the ability to construct and own its own transmission lines.

The second option was a "full service" rate option. DWSD would provide all production and transmission services. Transmission rates would be calculated only on those costs necessary to supply KWA and no additional transmission rates would be charged. Capital and operating revenue charges would be calculated based upon KWA's usage relative to the entire demand upon the Lake Huron WTP.

Independent analyses of DWSD's final offer by the OFR, the Flint EFM, and the Department of Environmental Quality (DEQ) generally reached the same conclusions:

- DWSD's offer was a framework subject to negotiations and was not a firm offer.
- The offer provided by DWSD was incomplete.
- DWSD's offer did not include a guaranteed rate beyond year one, nor did it limit maximum annual rate increases.
- The DWSD scenarios were based on 40 MGD of service capacity. However, the KWA project provides 60 MGD of initial capacity with potential expansion to 75 MGD.
- DWSD indicates that Flint/ Genesee County would be given "broadened representation," it is unclear exactly what this means in terms of actual control in the decision making processes.
- The DWSD offer relies on a single transmission system and would require the City of Flint to maintain its WTP for emergency purposes. In addition, it would leave Genesee County without an adequate backup supply to meet their needs.
- DWSD's offer included an attachment that listed the rank-ordered options (from cheapest to most expensive). DWSD Scenario 2 is listed as the least expensive option (but it is unclear how the total cost of this option was arrived at). DWSD Scenario 1 was not listed.
- DWSD provided a summary table of their unit costs but how these figures are arrived at was not clear, so analysis proved difficult.

Without specific details from DWSD on this proposal, a true comparative analysis is difficult to provide. As such the Flint EFM rejected the DWSD proposal and agreed to join KWA.

If further information on this issue is needed, please let me know.

Subject:	Internal Flint Water Meeting
Location:	Governor's Conference Room, 2nd Romney
Start:	Wed 1/28/2015 10:00 AM
End:	Wed 1/28/2015 11:00 AM
Show Time As:	Out of Office
Recurrence:	(none)
Meeting Status:	Accepted
Organizer:	Posthumus, Dick (GOV)
Required Attendees:	Clement, Elizabeth (GOV); Muchmore, Dennis (GOV); Walsh, John (GOV); Wisniewski, Wendy (GOV); Hall, Jean (GOV); Pleyte, Beth (Treasury); Saxton, Thomas (Treasury); Clayton, Stacie (GOV); Hollins, Harvey (GOV); Murray, David (GOV)

Attending:
Dick Posthumus
Dennis Muchmore
John Walsh
Beth Clement
Tom Saxton
Harvey Hollins
Dave Murray

From: Ellison, Melanie (GOV)
Sent: Thursday, April 18, 2013 4:20 PM
To: Tedder, Greg (GOV); Brader, Valerie (GOV); Hollins, Harvey (GOV); Clayton, Stacie (GOV); Larkin, Brian (GOV)
Cc: Rustem, William (GOV); Hall, Jean (GOV)
Subject: Flint Water System
Attachments: Memo Flint Water System 130418 (3).pdf

Team:

Attached is a memo from Bill Rustem regarding the Flint Water System. Because there are outside departments included on the calendar appointment, this will only be in the Governor's briefing tonight so we wanted to make sure you had it as well.

Please let me know if you have any questions.

Thanks,

Melanie Ellison
Office of Governor Rick Snyder
O: 517-373-0504

TO: Governor Snyder
CC: Dennis Muchmore, John Roberts, Harvey Hollins, Allison Scott

FROM: Bill Rustem

SUBJECT: Flint Water System

DATE: April 18, 2013

Governor, this information was compiled by the Department of Treasury.

Summary

In November 2012 the Department of Treasury commissioned the firm of Tucker, Young, Jackson & Tull, Inc. (TYJT) to analyze options for the City of Flint to either remain a customer of the Detroit Water & Sewer Department (DWSD) or to join the Karegnondi Water Authority (KWA) in Genesee County. The purpose of this study was to provide objective analyses to the State Treasurer and Flint's Emergency Financial Manager (EFM) in order to secure future potable drinking water for the City.

In December 2012, staff from TYJT met with representatives from the Department of Treasury and the City of Flint to provide a preliminary report on their findings. At this meeting, five options were presented: These options ranged from the Flint Water Plant providing 100% water, to 100% provision of untreated Lake Huron Water by KWA, to 100% provision of treated drinking water by DWSD, or provision of variable amounts of water from DWSD using a combination of blended DWSD water and Flint River water.

From the presentation of the preliminary report in December 2012 to the submission of the final report by TYJT in January 2013, a number of developments made arriving at a final decision very difficult.

- DWSD provided the City of Flint with at least two modified proposals to consider.
- A debate ensued between TYJT and KWA's principal engineering firm regarding the others' conclusions and estimates for construction of the KWA pipeline.
- The Flint EFM eliminated all options except the 100% DWSD option or joining KWA.

In January 2013, the Office of Financial Review (OFR) provided a comprehensive report to the State Treasurer analyzing three questions: 1) The projected construction costs and why Treasury believed the projections provided by Flint/KWA were acceptable; 2) Identification of the construction contingencies; and 3) Identification of the options Flint will utilize in the event of a construction cost overrun or a delay in construction. At the end of this report, the OFR recommended to the State Treasurer that KWA presented the best future option for future potable water. The OFR also concluded that KWA appeared to be the cheaper option; the quality of water would improve; Genesee County appeared willing to assist the City in securing the financing for their portion of the project; the KWA project could signify the beginning of better collaboration between the City of Flint and Genesee County; and the KWA project had both political and popular support.

Between January and April, intense scrutiny of the various proposals was undertaken by Treasury and Flint officials. Treasury officials met with officials from Genesee County to gain a better understanding of the KWA project. In February 2013, Genesee County opened bids for construction of the Lake Huron intakes. This bid opening represented the first meaningful step toward commencing construction of the KWA system. The bid was $3-million less than projected.

In March 2013, Treasury was notified that DWSD had contacted Flint to negotiate with the City to retain them as a customer. On April 12, 2013, the State Treasurer authorized the Flint EFM to join KWA, pending review of any final offer from DWSD. A final offer was received from DWSD on April 15, 2013.

DWSD's final offer provided two options. The first option was for a "supply only" rate schedule. Only water treatment costs would be recovered and DWDS would absorb all other delivery costs. Capital and operating revenue charges would be calculated based upon KWA's usage relative to the entire demand upon DWSD's Lake Huron WTP. KWA would also have the ability to construct and own its own transmission lines.

The second option was a "full service" rate option. DWSD would provide all production and transmission services. Transmission rates would be calculated only on those costs necessary to supply KWA and no additional transmission rates would be charged. Capital and operating revenue charges would be calculated based upon KWA's usage relative to the entire demand upon the Lake Huron WTP.

Independent analyses of DWSD's final offer by the OFR, the Flint EFM, and the Department of Environmental Quality (DEQ) generally reached the same conclusions:

- DWSD's offer was a framework subject to negotiations and was not a firm offer.
- The offer provided by DWSD was incomplete.
- DWSD's offer did not include a guaranteed rate beyond year one, nor did it limit maximum annual rate increases.
- The DWSD scenarios were based on 40 MGD of service capacity. However, the KWA project provides 60 MGD of initial capacity with potential expansion to 75 MGD.
- DWSD indicates that Flint/ Genesee County would be given "broadened representation," it is unclear exactly what this means in terms of actual control in the decision making processes.
- The DWSD offer relies on a single transmission system and would require the City of Flint to maintain its WTP for emergency purposes. In addition, it would leave Genesee County without an adequate backup supply to meet their needs.
- DWSD's offer included an attachment that listed the rank-ordered options (from cheapest to most expensive). DWSD Scenario 2 is listed as the least expensive option (but it is unclear how the total cost of this option was arrived at). DWSD Scenario 1 was not listed.
- DWSD provided a summary table of their unit costs but how these figures are arrived at was not clear, so analysis proved difficult.

Without specific details from DWSD on this proposal, a true comparative analysis is difficult to provide. As such the Flint EFM rejected the DWSD proposal and agreed to join KWA.

If further information on this issue is needed, please let me know.

From: Elizabeth Murphy <emurphy@cityofflint.com>
Sent: Tuesday, January 21, 2014 11:00 AM
To: Maxine Murray
Cc: Baird, Richard (GOV); BymeR1@michigan.gov; Deasy, Thomas (MSP); Etue, Kriste (MSP); Kapp, Gene (MSP); Lee, Nichole (MSP); Muchmore, Dennis (GOV); Roberts, John (GOV); Sands, Thomas (MSP); Sipes, Stephen (MSP); West, Samantha (GOV); Dempkowski, Angela (Treasury); Larkin, Brian (GOV); Darnell Earley; Koryzno, Edward (Treasury); Clement, Elizabeth (GOV); Hollins, Harvey (GOV); James Tolbert; Jerry Ambrose; Klotz, Josephine (MSP); O'Neill, Stephen (MSP); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY)
Subject: Re: Conference Call Agenda for Wednesday, January 22, 2014
Attachments: UPDATE Weekly Phone Conference Agenda.doc

Please see updated agenda.

On Tue, Jan 21, 2014 at 9:45 AM, Maxine Murray <mnurray@cityofflint.com> wrote:
Good morning,

Please find attached the agenda for the weekly conference call scheduled for Wednesday, January 22nd.

Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Darnell Earley, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

--
Liz Murphy
Assistant to the Emergency Manager
City of Flint
810 237 2025

City of Flint Weekly 9:00 am Phone Conference Agenda

1) Michigan State Police – checklist, comments, concerns
2) Chief Tolbert's Update – Stats, initiatives, other
3) Fire Department Issues (if any)
4) Rich Baird – Gov. Office comments
5) B. Clement – comments, questions
6) ~~Retiree Law Suit Status – off-line follow-up~~
7) Budget Update: FY13 – Audit, FY14 – current status, FY15 - plan

   Model Labor Contracts – status
8) KWA, Water Plant Preparation, Water/Sewer Rate Study
9) City Ordinance Review
10) Deficit Elimination Plan – Treasury
11) Master Plan Implementation Activity - Zoning Ordinance Revision
12) Status Report on the Flint City Council
13) Governance Revision – Blue Ribbon Cmte.
14) 9-1-1 Reconsolidation Plan – Tower Project
15) Governor's Request to Flint/Gen Cnty. on Public Safety ask
16) Strong Cities, Strong Community Update
17) Financial and Operating Plan – submitted 11/21/13, Qrtly Report – submitted 1/15/14
18) MEDC – Transportation Economic Development Fund - Application/Waiver
19) Other

Created on 01/21/14

From: Thelen, Mary Beth (DEQ)
Sent: Friday, October 03, 2014 2:56 PM
To: Hollins, Harvey (GOV)
Cc: Clayton, Stacie (GOV); Wyant, Dan (DEQ)
Subject: FW: CITY OF FLINT DRINKING WATER, GOVERNOR'S OFFICE BRIEFING PAPER
Attachments: Governor Briefing - City of Flint 10-1-14.docx; Governor Briefing - City of Flint 10-1-14.pdf; Flint Monthly Pumpage Comparison.pdf; ODWMA-399-022.pdf

Importance: High

Harvey,

Director Wyant asked that I forward you this information. Thank you.

Mary Beth

Mary Beth Thelen
Management Assistant to Director Dan Wyant
Department of Environmental Quality
Constitution Hall, 6th Floor South
Phone: 517-284-6712 or 284-6700 (new numbers)
Fax: 517-241-7401
Thelenm2@michigan.gov

From: Thelen, Mary Beth (DEQ)
Sent: Wednesday, October 01, 2014 11:19 AM
To: Scott, Allison (GOV); Muchmore, Dennis (GOV); Brader, Valerie (GOV)
Cc: Wurfel, Brad (DEQ); Wyant, Dan (DEQ); Datema, Maggie (DEQ); Sygo, Jim (DEQ); Wisniewski, Wendy (GOV); West, Samantha (GOV)
Subject: CITY OF FLINT DRINKING WATER, GOVERNOR'S OFFICE BRIEFING PAPER
Importance: High

Dear Governor, Dennis, and Val:

Per your request, the attached briefing paper is on the City of Flint drinking water situation. Director Dan Wyant has asked that I send this to you. A Word version as well as a pdf version is attached. We have also included a copy of the policy ODWMA-399-022 which specifically provides guidance regarding boil water advisory situations, and a chart showing the significant increase in the City of Flint's water demands following the extreme conditions experienced this past winter.

Allison, please forward to the Governor. Thank you.

If you have any questions or need further information, please let us know. Thank you.

Mary Beth

Mary Beth Thelen
Management Assistant to Director Dan Wyant
Department of Environmental Quality
Constitution Hall, 6th Floor South

Phone: 517-284-6712 or 284-6700 (new numbers)
Fax: 517-241-7401
Thelenm2@michigan.gov

Attachments

DEPARTMENT OF ENVIRONMENTAL QUALITY

GOVERNOR'S OFFICE BRIEFING PAPER
CITY OF FLINT DRINKING WATER

What contributed to the Boil Water Advisories in the city of Flint?

A number of factors, not one specific cause, likely contributed to the Boil Water Advisories (BWAs) in the city of Flint during August and September 2014. While use of the Flint River has increased the amount of natural organic matter in the city's water, the Flint Water Treatment Plant (WTP) has performed well above treatment requirements for organic carbon removal. In addition, less than 20 percent of the water system was included in the advisory area. If treatment had been compromised, detections would have been widespread throughout the city, rather than in such a localized area.

The city's water distribution system has suffered from a lack of infrastructure investment and asset management. Most of the city's over 550 miles of water mains are now over 75 years old and constructed of cast iron piping. Cast iron pipe is subject to internal corrosion, called tuberculation, which causes buildup on the pipe interior, leading to water quality issues, reduced flow and pressures, and leakage. Tuberculation also encourages the development of biofilms, layers of bacteria that attach to the interior pipe wall. Biofilm growth is common in areas of piping with little or no disinfectant residual, and together with tuberculation can clog water lines to the point of insufficient water pressure.

The city has also experienced decades of a declining user base and water use associated with vacant homes, commercial businesses, and industrial property. Declining water use leads to excess residence time within the city's distribution pipes and water storage facilities, accelerating tuberculation, biofilm growth, and disinfectant residual degradation. While the city has recently seen an infusion of funding for blight removal, contractors completing this work have been improperly using fire hydrants, causing hydraulic disturbances that dislodged and suspended settled debris, which may have contributed to the bacterial contamination.

The winter of 2014 was also one of the coldest experienced by the water system. The city, which historically has unaccounted water losses of over 30 percent, has seen even greater losses since February 2014 due to an increase in cold weather-related water main breaks and leaks. The city lacks a formal maintenance program for its over 7,250 valves, which would normally be used to limit impacts during break repairs. Two valves on the transmission line used to supply the area of the BWAs were found to be closed during the city's investigation, causing longer residence time, reduced disinfectant residual, reduced flow, and reduced pressure. One of these valves has remained broken.

The BWAs also occurred during the warmest and, for 2014, relatively wet periods of August and September. Warm weather conditions are not only more conducive to bacterial growth but also degrade the water's disinfectant residual carried out from the WTP more quickly. Longer residence times, biofilms, and tuberculation also contribute to disinfectant residual degradation. Warm wet weather conditions also allow water contaminated with bacteria to pool around piping with leaks and breaks.

Process for Issuance and Cancelation of a Boil Water Advisory

There are a number of conditions that can trigger BWAs. This includes the following:

- Bacteria Monitoring Detections
- Bacteria Standards Violations
- Treatment System Failures
- Waterborne Disease Outbreaks
- Loss of System Pressure
- Water Main Breaks
- Other Interruptions in Service

The Department of Environmental Quality (DEQ) has developed a policy and procedure regarding BWAs to help guide staff, provide consistency, and maintain public health. A PDF of Policy and Procedure No. ODWMA-399-022 is being forwarded with this briefing paper.

BWAs may be self-initiated by the water system, issued collaboratively in consultation with the DEQ, or when necessary mandated by the DEQ. Requesting customers to boil the water when bacterial contamination has occurred provides an added barrier of public health protection.

The BWAs that recently occurred in the city of Flint were associated with bacteria monitoring detections and violations of bacteria standards. These advisories were issued by the city of Flint collaboratively in consultation with the DEQ.

Current regulations regarding monitoring and standards for bacteria in water distribution systems were developed by the U.S. Environmental Protection Agency, have been in effect since 1990, and were incorporated into the Michigan Safe Drinking Water Act, 1976 PA 399, as amended. There are a variety of bacteria, parasites, and viruses that can potentially cause health problems if humans ingest them in drinking water. Testing water for each of these potential pathogens would be difficult and expensive. Instead, water systems test for total coliform and *E.coli*. Total coliform bacteria react to water treatment in a manner similar to many pathogens. Therefore, the presence of total coliform in drinking water indicates there may be a pathway for pathogens or other contaminants to enter the system. The absence of total coliforms in the distribution system minimizes the likelihood that pathogens are present. *E.coli* is itself a pathogen, and its detection would be direct evidence of a health risk.

Once a BWA has been issued, time is needed to investigate potential causes and implement corrective measures. The larger the water system, the more time this may take. Once corrective measures have been taken, samples must be collected and

analyzed to confirm that bacteria are no longer present. Using the most common analytical method, samples must be incubated for a period of 24 hours before results can be obtained. In situations where the bacterial contamination has been confirmed, two consecutive rounds of safe samples collected at least 24 hours apart are normally obtained before canceling a BWA. Adding each of these steps together, a normal response period to cancel a BWA under these circumstances would be expected to take at least 3 to 4 days.

Recent History of the City of Flint Water System

Historically, the city of Flint had been a customer of the Detroit Water and Sewerage Department (DWSD) while simultaneously maintaining the Flint WTP to provide emergency backup service using the Flint River. The WTP performed quarterly test operations to maintain readiness and was utilized twice in 2009, supplying water once for 2 days and the other for 3 days.

In April 2013 the city of Flint notified the DWSD that it would be terminating service in the future and contracting for raw water service from the Karegnondi Water Authority (KWA). Work on the KWA pipeline from Lake Huron broke ground in June 2013 and is expected to be completed with connection in late 2016.

In August 2013 Rowe Professional Services Company completed an engineering proposal for improvements to the Flint WTP that would allow continuous operation of the WTP utilizing the Flint River in lieu of continuing service from the DWSD until completion of the KWA pipeline. In March 2014 the city of Flint entered into a Consent Agreement with the DEQ regarding the Flint WTP's lime sludge facility. In April 2014 the DEQ issued a construction permit for improvements to the Flint WTP. On April 25, 2014, the city of Flint began continuous operation of the WTP, using water from the Flint River and discontinued the purchase of water from the DWSD.

A BWA was issued for August 15-20, 2014, for a portion of the city of Flint due to localized detections of total coliform and *E.coli* bacteria. Another BWA was issued for September 5-9, 2014, due to localized detections of total coliform bacteria in the same and adjacent portions of the city of Flint. The advisory covered an area of approximately six square miles. The city of Flint has a total land area of just over 34 square miles.

While many of the BWA contributing factors listed above require long-term solutions, the city has taken operational steps to limit the potential for a BWA to reoccur. The city has increased flushing of water mains to limit residence time, maintain disinfectant residual, and help remove buildup and deposits within the piping. The city is boosting chlorine disinfectant residual at locations in the distribution system as needed. The city continues to investigate water leaks and water main breaks and the status and condition of system valves.

Prepared by: Stephen Busch, P.E.
Lansing and Jackson District Supervisor
Office of Drinking Water and Municipal Assistance
Department of Environmental Quality
October 1, 2014

DEPARTMENT OF ENVIRONMENTAL QUALITY

GOVERNOR'S OFFICE BRIEFING PAPER
CITY OF FLINT DRINKING WATER

What contributed to the Boil Water Advisories in the city of Flint?

A number of factors, not one specific cause, likely contributed to the Boil Water Advisories (BWAs) in the city of Flint during August and September 2014. While use of the Flint River has increased the amount of natural organic matter in the city's water, the Flint Water Treatment Plant (WTP) has performed well above treatment requirements for organic carbon removal. In addition, less than 20 percent of the water system was included in the advisory area. If treatment had been compromised, detections would have been widespread throughout the city, rather than in such a localized area.

The city's water distribution system has suffered from a lack of infrastructure investment and asset management. Most of the city's over 550 miles of water mains are now over 75 years old and constructed of cast iron piping. Cast iron pipe is subject to internal corrosion, called tuberculation, which causes buildup on the pipe interior, leading to water quality issues, reduced flow and pressures, and leakage. Tuberculation also encourages the development of biofilms, layers of bacteria that attach to the interior pipe wall. Biofilm growth is common in areas of piping with little or no disinfectant residual, and together with tuberculation can clog water lines to the point of insufficient water pressure.

The city has also experienced decades of a declining user base and water use associated with vacant homes, commercial businesses, and industrial property. Declining water use leads to excess residence time within the city's distribution pipes and water storage facilities, accelerating tuberculation, biofilm growth, and disinfectant residual degradation. While the city has recently seen an infusion of funding for blight removal, contractors completing this work have been improperly using fire hydrants, causing hydraulic disturbances that dislodged and suspended settled debris, which may have contributed to the bacterial contamination.

The winter of 2014 was also one of the coldest experienced by the water system. The city, which historically has unaccounted water losses of over 30 percent, has seen even greater losses since February 2014 due to an increase in cold weather-related water main breaks and leaks. The city lacks a formal maintenance program for its over 7,250 valves, which would normally be used to limit impacts during break repairs. Two valves on the transmission line used to supply the area of the BWAs were found to be closed during the city's investigation, causing longer residence time, reduced disinfectant residual, reduced flow, and reduced pressure. One of these valves has remained broken.

The BWAs also occurred during the warmest and, for 2014, relatively wet periods of August and September. Warm weather conditions are not only more conducive to bacterial growth but also degrade the water's disinfectant residual carried out from the WTP more quickly. Longer residence times, biofilms, and tuberculation also contribute to disinfectant residual degradation. Warm wet weather conditions also allow water contaminated with bacteria to pool around piping with leaks and breaks.

Process for Issuance and Cancelation of a Boil Water Advisory

There are a number of conditions that can trigger BWAs. This includes the following:

- Bacteria Monitoring Detections
- Bacteria Standards Violations
- Treatment System Failures
- Waterborne Disease Outbreaks
- Loss of System Pressure
- Water Main Breaks
- Other Interruptions in Service

The Department of Environmental Quality (DEQ) has developed a policy and procedure regarding BWAs to help guide staff, provide consistency, and maintain public health. A PDF of Policy and Procedure No. ODWMA-399-022 is being forwarded with this briefing paper.

BWAs may be self-initiated by the water system, issued collaboratively in consultation with the DEQ, or when necessary mandated by the DEQ. Requesting customers to boil the water when bacterial contamination has occurred provides an added barrier of public health protection.

The BWAs that recently occurred in the city of Flint were associated with bacteria monitoring detections and violations of bacteria standards. These advisories were issued by the city of Flint collaboratively in consultation with the DEQ.

Current regulations regarding monitoring and standards for bacteria in water distribution systems were developed by the U.S. Environmental Protection Agency, have been in effect since 1990, and were incorporated into the Michigan Safe Drinking Water Act, 1976 PA 399, as amended. There are a variety of bacteria, parasites, and viruses that can potentially cause health problems if humans ingest them in drinking water. Testing water for each of these potential pathogens would be difficult and expensive. Instead, water systems test for total coliform and *E.coli*. Total coliform bacteria react to water treatment in a manner similar to many pathogens. Therefore, the presence of total coliform in drinking water indicates there may be a pathway for pathogens or other contaminants to enter the system. The absence of total coliforms in the distribution system minimizes the likelihood that pathogens are present. *E.coli* is itself a pathogen, and its detection would be direct evidence of a health risk.

Once a BWA has been issued, time is needed to investigate potential causes and implement corrective measures. The larger the water system, the more time this may take. Once corrective measures have been taken, samples must be collected and analyzed to confirm that bacteria are no longer present. Using the most common analytical method, samples must be incubated for a period of 24 hours before results can be obtained. In situations where the bacterial contamination has been confirmed, two consecutive rounds of safe samples collected at least 24 hours apart are normally obtained before canceling a BWA. Adding each of these steps together, a normal response period to cancel a BWA under these circumstances would be expected to take at least 3 to 4 days.

Recent History of the City of Flint Water System

Historically, the city of Flint had been a customer of the Detroit Water and Sewerage Department (DWSD) while simultaneously maintaining the Flint WTP to provide emergency backup service using the Flint River. The WTP performed quarterly test operations to maintain readiness and was utilized twice in 2009, supplying water once for 2 days and the other for 3 days.

In April 2013 the city of Flint notified the DWSD that it would be terminating service in the future and contracting for raw water service from the Karegnondi Water Authority (KWA). Work on the KWA pipeline from Lake Huron broke ground in June 2013 and is expected to be completed with connection in late 2016.

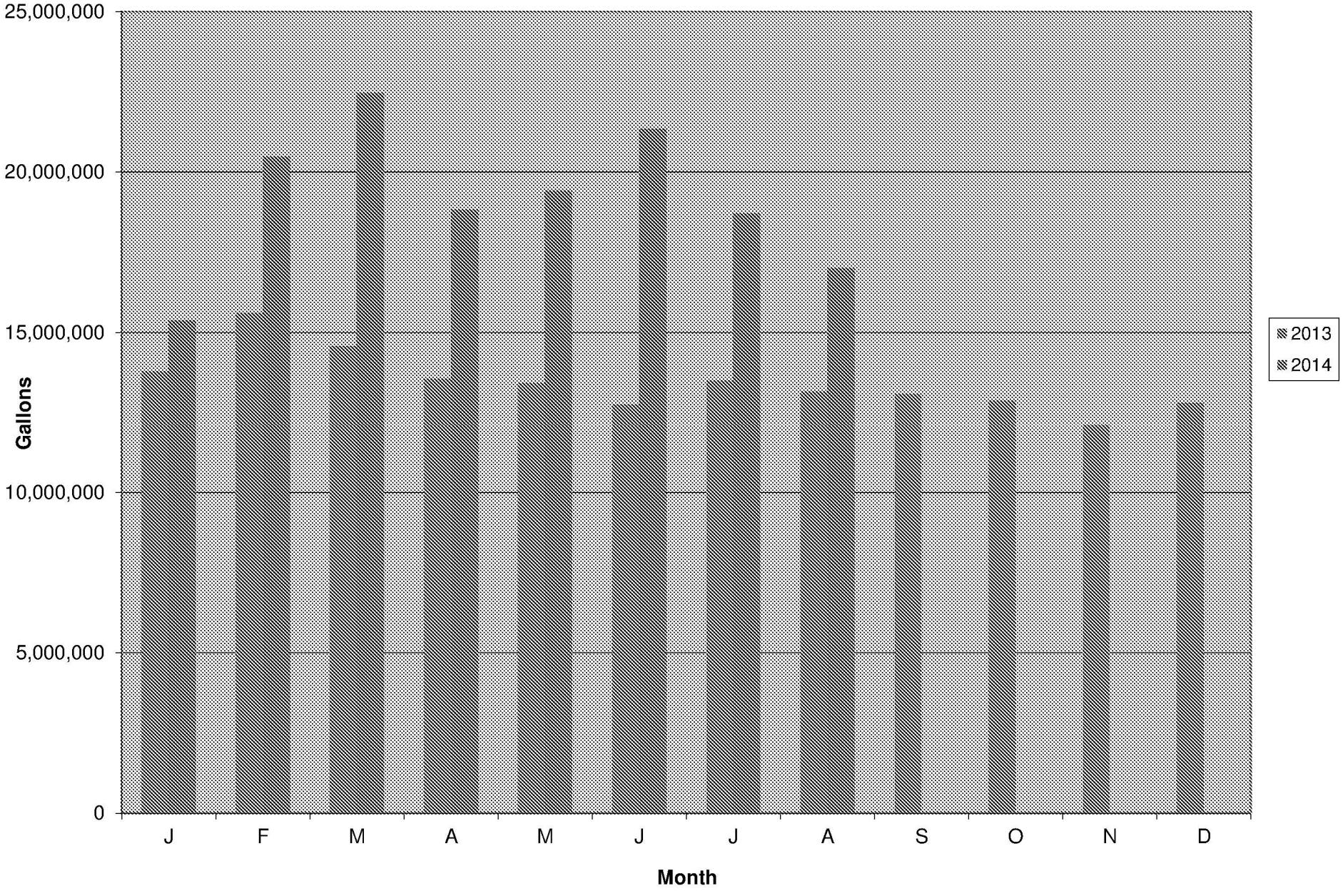
In August 2013 Rowe Professional Services Company completed an engineering proposal for improvements to the Flint WTP that would allow continuous operation of the WTP utilizing the Flint River in lieu of continuing service from the DWSD until completion of the KWA pipeline. In March 2014 the city of Flint entered into a Consent Agreement with the DEQ regarding the Flint WTP's lime sludge facility. In April 2014 the DEQ issued a construction permit for improvements to the Flint WTP. On April 25, 2014, the city of Flint began continuous operation of the WTP, using water from the Flint River and discontinued the purchase of water from the DWSD.

A BWA was issued for August 15-20, 2014, for a portion of the city of Flint due to localized detections of total coliform and *E.coli* bacteria. Another BWA was issued for September 5-9, 2014, due to localized detections of total coliform bacteria in the same and adjacent portions of the city of Flint. The advisory covered an area of approximately six square miles. The city of Flint has a total land area of just over 34 square miles.

While many of the BWA contributing factors listed above require long-term solutions, the city has taken operational steps to limit the potential for a BWA to reoccur. The city has increased flushing of water mains to limit residence time, maintain disinfectant residual, and help remove buildup and deposits within the piping. The city is boosting chlorine disinfectant residual at locations in the distribution system as needed. The city continues to investigate water leaks and water main breaks and the status and condition of system valves.

Prepared by: Stephen Busch, P.E.
Lansing and Jackson District Supervisor
Office of Drinking Water and Municipal Assistance
Department of Environmental Quality
October 1, 2014

City of Flint Monthly Averages



DEQ	OFFICE OF DRINKING WATER AND MUNICIPAL ASSISTANCE POLICY AND PROCEDURE		DEPARTMENT OF ENVIRONMENTAL QUALITY
Original Effective Date: October 12, 2007 **Revised Date:** **Reformatted Date:** January 24, 2013	**Subject:** Guidelines for Issuing Boil Water Advisories to Address Potential Microbial Contamination of Community Water Supplies **Division/Office and Program Names:** ODWMA-Public Water System Supervision Program	**Number:** ODWMA-399-022 Page: 1 of 10	**Category:** ☐ Internal/Administrative ☐ External/Noninterpretive ☒ External/Interpretive

A Department of Environmental Quality (DEQ) Policy and Procedure cannot establish regulatory requirements for parties outside of the DEQ. This document provides direction to DEQ staff regarding the implementation of rules and laws administered by the DEQ. It is merely explanatory; does not affect the rights of, or procedures and practices available to, the public; and does not have the force and effect of law.

INTRODUCTION, PURPOSE, OR ISSUE:

Community water systems are expected to provide customers with a continuous supply of water that meets both federal and state drinking water standards. However, there may be circumstances when the public must be notified that the water may not be safe. In these circumstances, a boil water advisory may be issued to prevent illness from known or suspected microbiological contamination. This policy is to provide guidance to Office of Drinking Water and Municipal Assistance (ODWMA) drinking water program staff on advising community water system personnel when to issue and rescind a boil water advisory, the appropriate content, and the manner and method of delivery.

AUTHORITY:

Administrative rule R 325.10401a promulgated under the Safe Drinking Water Act, 1976 PA 399, as amended (Act 399), being Michigan Compiled Law 325.1001 *et seq.*, requires public notification for violations of maximum contaminant levels and treatment techniques plus other situations as determined by the DEQ. Each public notice is required to state what actions consumers should take during a violation, which may include a statement recommending water customers boil all water used for consumption until further notice.

In addition, R 325.11207 allows the DEQ to require the supplier of water to provide notice to customers or users that include any precautionary measures deemed necessary when an interruption in water service occurs, which could include low, zero, or negative pressure events.

Furthermore, R 325.12303 requires a supplier of water to include in their contingency planning a description of precautions or measures to be taken to protect the health of those customers or users that may be affected by an emergency. R 325.12304 also requires a supplier of water to notify the DEQ when an emergency is discovered and how the supply will notify its customers or users. While the content of this notification to customers or users may vary depending upon individual circumstances, each notification to customers or users must state what actions or precautions they should take, which may include a statement to boil all water used for consumption until further notice.

STAKEHOLDER INVOLVEMENT:

DEQ staff met with Municipal Utilities Directors to seek input on issues that were subsequently addressed in this policy and procedure.

DEFINITIONS:

"Boil Water Advisory (BWA)" – A written or verbal advisory issued by the community water system or DEQ notifying the users of the water system that the water is or may be contaminated and advising them to boil the water prior to using it for drinking or cooking.

"Community Water Supply (CWS)" – A public water supply (PWS) that provides year-round service to not fewer than 15 living units, or that regularly provides year-round service to not fewer than 25 residents. Examples include municipalities, such as cities, villages, and townships; apartment complexes; manufactured housing communities; condominiums; and nursing homes.

"Complete Loss of Pressure" – Sustained negative pressures or pressure below five psi in any portion of a distribution system. It does not include instantaneous low or negative pressure occurring from pressure surges caused by pump cycling, valve operation, or other water hammer events.

"Maximum Contaminant Level (MCL)" – The maximum permissible level of a contaminant in water that is delivered to any user of a PWS.

"Repeat Sample" – A sample that is collected and analyzed in response to a previous coliform-positive sample.

"Routine Sample" – A water sample that is collected and analyzed to meet the monitoring requirements for total coliform, as outlined in the written sampling plan.

"Tier 1 Public Notice" – A public notice required to be provided as soon as practical but not later than 24 hours after the supplier learns of a violation or situation that has significant potential to have serious adverse effects on human health as a result of short-term exposure. A Tier 1 Public Notice also requires the supplier to initiate consultation with the DEQ as soon as practical but not later than 24 hours after the supplier learns of the violation or situation. Examples of these violations or situations include:

1. A violation of the Total Coliform MCL when fecal or *E.coli* are present in the distribution system;
2. A violation of the treatment technique requirement resulting from a single exceedance of the maximum allowable turbidity limit;
3. An occurrence of a waterborne disease outbreak;
4. A failure or significant interruption in key water treatment processes;
5. A disruption of the water supply or distribution system; and

6. Other violations or situations as determined by the DEQ on a case-by-case basis. A violation or situation that requires a Tier 1 Public Notice also requires the supplier to consult with the DEQ to determine additional public notice requirements, including the timing, form, manner, frequency and content of the notice designed to reach all persons served, and any repeat notices or directions. At a minimum, one or more of the following forms of delivery must be used:
   a. Appropriate broadcast media:
   b. Posting of the notice in conspicuous locations throughout the area served by the system;
   c. Hand delivery of the notice to persons served by the system; or
   d. Another delivery method approved by the DEQ.

Within 10 days of completing the Tier 1 Public Notice, the supplier shall submit to the DEQ a certification that it fully complied with the public notification requirements, including a representative copy of the type of notice distributed to persons served by the system and to the media.

"Tier 2 Public Notice" – A public notice required to be provided as soon as practical but not later than 30 days after the supplier learns of a violation or situation that has the potential to have serious adverse effects on human health. Examples of these violations or situations include:
1. All violations of MCL, maximum residual disinfectant level, and treatment technique requirements except where the DEQ determines a Tier 1 notice is required.
2. Violations of monitoring and testing procedure requirements, taking into account potential health impacts and persistence of the violation; and
3. Failure to comply with a variance or exemption.

For a Tier 2 Public Notice, the DEQ may, on a case-by-case basis, grant extensions in writing for up to three months from the date the supplier learns of the violation or situation, for reasons such as coordinating with billing cycles or if the violation or situation was quickly resolved and no longer poses any risk to the persons served. A Tier 2 Public Notice shall be repeated every three months as long as the violation or situation exists. A Tier 2 Public Notice and any repeat notices shall be in a form and issued in a manner that is reasonably calculated to reach persons served in the required time period. At a minimum, the notice shall be provided:
1. By mail or direct delivery to each customer receiving a bill and to other service connections to which water is delivered by the supplier, and
2. By other methods reasonably calculated to reach other persons not receiving a bill, such as apartment dwellers, university students, nursing home patients and prison inmates. Other methods may include:
   a. Publication in a local newspaper
   b. Delivery of multiple copies to apartment complexes and manufactured housing communities
   c. Posting in public places or on the Internet
   d. Delivery to community organizations

"Treatment Technique (TT)" – Minimum treatment requirement or a necessary methodology or technology that is employed by a supplier of water for the control of the chemical, physical, biological, or radiological characteristics of a PWS.

POLICY:

A BWA may be issued for a variety of reasons when microbial contamination is known or suspected. Total Coliform Rule (TCR) MCL violations, surface water TT violations, low or loss of pressure events, and waterborne disease outbreaks are circumstances when a BWA may be issued. Each of these situations is discussed in detail below. However, these situations are not the only times a BWA can or should be issued. Each incident must be handled on a case-by-case basis, using professional judgment to evaluate the circumstances in each situation.

Finally, there may be situations when water systems experience contamination that is not microbial, but chemical due to a chemical spill or backflow due to a cross connection. In these cases, a notice to customers could include "Do Not Use" language since boiling the water may not remove the contamination.

Types of Incidents:

1. Violation of a Drinking Water Standard

    a. TCR MCL Violations

    An acute TCR MCL violation occurs when monitoring indicates the presence of coliform organisms in both a routine and a follow-up repeat sample in the same monitoring period, and either analysis (routine or repeat) is also positive for fecal or *E.coli.* Because this MCL violation confirms the presence of a more direct connection to contamination, these violations warrant issuance of a BWA, unless there are unique circumstances.

    A non-acute TCR MCL violation occurs when monitoring indicates the presence of coliform bacteria in 2 or more samples in the same monitoring period for a supplier collecting less than 40 samples per month, or in more than 5 percent of the samples for a supplier collecting 40 or more samples per month, and the criteria for an acute violation did not occur, i.e., fecal coliform or *E.coli* were NOT detected present in either a routine or repeat sample. For example, a system that collects 5 samples per week for a total of 20 per month may have 1 sample report positive for total coliform or fecal/*E.coli* during the first week, but all repeat samples report negative for coliform. If another sample in a subsequent week also reports total or fecal/E.coli positive, but again, all repeat samples are coliform-negative, then a non-acute TCR MCL violation has occurred because 2 or more samples reported positive for coliform, but no fecal coliform or *E.coli* were detected in both a routine and a repeat sample.

When a non-acute violation occurs, staff should evaluate possible sources of contamination. If a source is identified that is considered likely to contribute disease causing organisms or result in water of questionable quality still being distributed, a BWA should be instituted. Examples of contaminant sources that would elevate the public health risk include, but are not limited to:

- flooding of the wells
- failure of the treatment system
- recent construction activity in the distribution system
- vermin (birds, rodents, etc.) activity in storage tanks
- system-wide or extensive pressure loss in the distribution system

Even if the source of contamination is not easily identified, a BWA may be appropriate for a non-acute TCR violation if the violation is widespread or ongoing. A BWA shall be instituted if monitoring indicates *E. coli* or fecal coliform contamination unless unusual circumstances warrant consideration, such as the absence of any coliform in repeat samples, or when staff are assured that the contamination has been eliminated before confirmation results are available.

However, not every TCR MCL violation must result in a BWA. There may be a few exceptions when there is a TCR MCL violation but a BWA is not needed. For example, a violation may be declared in situations where samples collected on different days from widely dispersed locations report coliform present even though repeat samples do not show positive results. In this case, the sampling results may constitute a MCL violation, but a BWA may not be necessary.

If a BWA is deemed necessary by the ODWMA, it should be issued as soon as possible but no later than 24 hours after the system learns of the violation. Because violation of an MCL results in required public notification (PN) per the PN Rule, the water supply may issue the PN and BWA simultaneously in one document (highly recommended) and must meet all the requirements of a Tier 1 PN and include BWA language.

After measures have been taken to eliminate the source(s) of contamination, such as initiating or increasing chlorine feed rates and system flushing, additional sampling must be conducted. Raw water bacteriological sampling is also encouraged to eliminate the raw water as the possible source of contamination. For MCL violations, the BWA can be rescinded after the analyses of two sets of samples collected 24 hours apart report the absence of coliform bacteria. The number of samples in each set should be a minimum of five samples, but can be decreased or increased based on system size or the extent of the affected area. Systems are encouraged to use routine sample sites if available and to use extra care if routine sites are not available.

b. Surface Water Treatment Rule (SWTR) TT Violations

SWTR TT violations include:

- exceedance of turbidity standards at filter confluence point
- failure to meet disinfection contact time requirements (C*T)
- failure to meet disinfection residual standards

Upon determination of an SWTR TT violation, ODWMA staff must determine if the violation poses a threat to public health. For example, if the turbidity levels at the filter confluence point were found to have exceeded 0.3 nephlometric turbidity units (NTUs) in 95 percent of the samples in a two-month period, an SWTR TT violation has occurred. Based upon a review of plant performance and consultation with program managers, staff may determine that no significant health risk was posed and no BWA is necessary. However, the water supply must still issue a Tier 2 PN within 30 days of the violation. On the other hand, a BWA is likely to be necessary for a treatment plant that gets overwhelmed by excessive runoff and reports a turbidity level in excess of 1.0 NTU at the filter confluence point for a four-hour period.

If the TT violation is ongoing or prolonged, or the ODWMA determines a significant public health risk is posed, ODWMA staff may elevate the PN to Tier 1 status, which must be issued within 24 hours and include BWA language. After appropriate measures have been taken to reduce or eliminate any health risk, additional monitoring must be conducted. Appropriate measures may include increasing coagulant dose, increasing chlorine residuals through the treatment plant, backwashing filters more often and flushing key system components. In this case, a BWA can be rescinded after analyses of two sets of samples collected 24 hours apart report the absence of coliform bacteria. The number of samples in each set should be a minimum of five samples, but can be decreased or increased based on type and severity of the TT violation.

Surface water plants utilizing conventional or direct filtration must add a primary coagulant under R 325.11008. Failure to add a primary coagulant is a violation of Act 399, and may also contribute to a TT violation under R 325.10611 (Filtration and Disinfection) which requires 3-log inactivation of giardia and 4-log inactivation of viruses. In these cases, ODWMA staff will have to determine if the violation poses a threat to public health and whether other actions are necessary, such as requiring a BWA. Factors to consider if a BWA is necessary would include chlorine residual concentrations throughout the treatment plant, raw water quality, C*T compliance, plus individual filter effluent and combined filter effluent turbidity levels.

2. Waterborne Disease Outbreaks

Waterborne disease outbreaks can be declared by the Centers for Disease Control and Prevention, the Department of Community Health, a local health department, or other public

health institutions. If an outbreak is declared, the ODWMA will work with the declaring agency to ensure affected community public water supplies take appropriate measures to mitigate public exposure. These measures will include appropriate public notification, including instructions to boil water if appropriate. The ODWMA will allow the water supply to rescind the notification when the agency declaring the outbreak indicates it is safe to do so as the result of additional monitoring.

3. Interruptions in Service

   a. Negative or Complete Loss of Pressure

      A complete loss of pressure or negative pressure in the distribution system must result in a BWA being issued to all water customers in the impacted area. After pressure is restored and the system recovers (tanks are filling and enough sources are operating to ensure pressures do not drop again), the affected area should be thoroughly flushed and coliform samples must be taken throughout the area to determine if the distribution system remains free of coliform contamination. The number of samples will vary depending on the size of the system and the extent of the area impacted. For very small systems that experience a power failure that results in a complete loss of pressure throughout the distribution system, a minimum of three samples should be collected. If applicable, chlorine residual measurements should be taken to ensure that an adequate disinfectant residual is present. If possible, chlorine dosages and residuals should be increased by 1 to 2 parts per million during this period as a corrective and preventive measure. If the first round of sampling does not detect coliform bacteria, the advisory may be rescinded. However, if the first round of sampling detects coliform bacteria, additional flushing should be conducted in the area where the positive coliform samples were collected and a second round of coliform samples collected from the area. The BWA should remain in effect until safe coliform sample results are obtained.

   b. Low Pressure Events

      Low pressure events might not result in a BWA. Low pressure is considered a drop in pressure below 20 psi but greater than 5 psi. A drop in water pressure in a distribution system could allow contamination to enter the water system through backflow by backpressure or backsiphonage. The decision to issue a BWA should be made on a case-by-case basis and be based upon professional judgment of all available data that may indicate the extent of the problem, such as:

      - Geographical extent of the pressure loss
      - Nature of the service area (residential vs. commercial/industrial)
      - Duration of the low pressure condition
      - Disinfection practices of the water system
      - Relative elevation differences in the service area
      - Status of the local cross connection control program

- Age and condition of the underground piping
- Amount of underground piping located in areas of a high groundwater table
- Ability and willingness of the operators to rapidly apply chlorine to the system or distribute an increased chlorine residual throughout the affected area

After normal pressure is restored, the impacted area should be thoroughly flushed and coliform samples taken throughout the area to determine if the distribution system is free of any bacteriological contamination. The collection of coliform samples after low pressure events is not absolutely required, but may be recommended based on the factors above.

c. Water Main Breaks or Repairs

A BWA may be issued during water main breaks and after the break has been repaired. Whether or not to issue a BWA will depend on the location and severity of the break and, more importantly, a decision based on sound engineering judgment that the integrity of the water system has been maintained. If at all possible, repairs should be performed under reduced or low pressure by closing the closest valves on each side of the break just enough to reduce the flow so the repairs can be made under pressure while the water flowing from the break is diverted away from the excavation to maintain clean sanitary conditions. If the water main can be repaired under pressure, and no nonpotable water, soil, or other potential contaminants entered the main during the break and repair process, then a BWA is not necessary. If the water main that was removed from service is flushed, disinfected, and sampled in accordance with AWWA Standard C651 before being placed back into service, a BWA does not need to be issued.

If a water main break results in a complete loss of pressure before, during, or after the repair is made, a BWA must be issued to all customers in the affected area. The BWA should remain in effect until the area is flushed, chlorine residuals are reestablished (if applicable), and sample results do not detect coliform bacteria.

Content and Delivery of a BWA

If the ODWMA determines a BWA is necessary, the water supply must issue the advisory as soon as practical, but not later than 24 hours after being advised to do so. The supply must make a good faith attempt to notify all customers in the affected area. Appropriate methods of distribution are situation specific, but may include radio or television broadcasts, hand delivery, and/or posting in conspicuous locations throughout the area. Delivery requirements as detailed in the PN Rule should be used to determine appropriate delivery methods.

Although there are content requirements for public notification under the PN Rule, there are no requirements specific to boil water language. To ensure all appropriate information is transmitted to the customers, a BWA should include the same content elements as required for

public notification under the PN Rule. If a BWA is issued as the result of an MCL violation and the water supply issues the BWA in conjunction with the required PN (highly recommended), the content MUST meet all PN Rule content, delivery, and reporting requirements.

The ODWMA boil water language is consistent with the U.S. Environmental Protection Agency policy that requires water be brought to a boil and allowed to boil for one minute before use. The language also suggests the use of bottled water as an alternative to boiling and describes the circumstances under which boiled or bottled water should be used.

Staff should notify the appropriate local health department and the Department of Agriculture and Rural Development, Food and Dairy Division, whenever a BWA is issued or rescinded. These agencies may receive calls from concerned customers or be involved in oversight of facilities impacted by the boil advisory and, therefore, need to be aware of the situation.

Several BWA templates have been created and are available to ODWMA staff on the DEQ Intranet. To ensure consistency and inclusion of all necessary content, these templates should be used as the basis for PNs and/or a BWA. Available templates include, but are not limited to:

- Advisory for a TCR MCL.
- Advisory for a low/no pressure event.
- Notification for cancellation of a BWA.

PROCEDURES:

WHO	DOES WHAT
Public Water Supply	Notify DEQ of results in a timely manner as required by law and follow through with appropriate actions.
District Staff	Respond to all TCR and TT violations plus complete loss of pressure events in a timely manner and determine whether a BWA needs to be issued. • If needed, assist supply in drafting BWA and determining most appropriate method of delivery with approval from the District Supervisor. • If needed, assist the supply in determining actions to remove the possible contamination including steps needed to rescind the BWA.
District Staff	Provide on-site technical assistance for acute TCR MCL violations and other boil water situations as appropriate.
District Supervisors	Assist District Staff in the all matters pertaining to issuing a BWA.

REFERENCES:

Safe Drinking Water Act, 1976 PA 399, as amended, being Michigan Compiled Law 325.1001 *et seq.*, and the administrative rules promulgated thereunder, being R 325.10101 *et seq.* of the Michigan Administrative Code.

OFFICE CHIEF APPROVAL:

Liane J. Shekter Smith, P.E., Chief
Office of Drinking Water and Municipal Assistance

1/18/2013
Date

DEPUTY DIRECTOR APPROVAL:

Jim Sygo, Deputy Director

1/24/2013
Date

From: Maxine Murray <mmurray@cityofflint.com>
Sent: Friday, January 30, 2015 9:28 AM
To: Hollins, Harvey (GOV)
Cc: Jerry Ambrose; Clayton, Stacie (GOV)
Subject: Independent Water Analysis
Attachments: Independent Water Analysis.PDF

Good morning Mr. Hollins:

Emergency Manager Ambrose asked me to send the attached information.

Thank you.

--
Maxine Murray
Executive Assistant to
Mayor Dayne Walling
Gerald Ambrose, Emergency Manager
1101 S. Saginaw Street
Flint, MI 48502
810.237.2035 Telephone
810.766.7218 Fax

Waste Water Flow Device
Hand Held Industrial Measurement With Clamp-On Sensors & Switches

ABC12 Investigates: What's in your water?

Posted: Jan 29, 2015 3:38 PM EST
Updated: Jan 29, 2015 11:54 PM EST

By Larry Elliott CONNECT

FLINT (WJRT) - (01/29/15) - The results are in and we now have a completely independent look at what's in Flint's water supply.

For months, since Flint switched from a Detroit water supply to the Flint River as it's water source, Flint water customers have complained of smelly, cloudy, bad tasting water and blame it for a variety of health problems.

Complaints exploded earlier this month when Flint notified its water customers that a group of chemicals known as TTHM were at much higher average levels than allowed by law.

With so many questions and distrust of the answers, ABC12's Larry Elliott investigates - What's in your Water?

It seems no matter who you ask in the Flint area, there's an opinion about the city's water. Most of the issues center on the quality of the water and whether it's safe to drink.

"Right now it smells," said Flint resident Lee Miller. "We're getting water out of our own back yard now and it's costing me double what it was coming from Detroit."

"It has a funny taste to it," said Flint resident Milton Alexander.

"It could be dangerous to us, actually I don't know how dangerous it is," said Flint resident Shanika Sanders.

"I'm no cheerleader for the water department here, I think we've got a lot of issues to work on," Ken VanWagoner, of Good Beans Cafe - Flint.

Most of the issues center on the quality of the water and whether it's safe to drink, but concern over its safety reached a new high earlier this month when the city was required by the state Department of Environmental Quality to notify residents that the water had exceeded the allowable limit of a group of chemicals known as TTHM.

TTHM is in most municipal water systems and is thought by some to be a possible carcinogen in long term exposure.

It's a byproduct of chlorination, which is commonly used to help purify water. Last August, as Flint's water treatment plant worked to purify the water it was drawing from the Flint River, levels of TTHM grew to well over the EPA allowed maximum.

August test results provided by the DEQ to ABC12 show all of the eight testing sites around Flint had TTHM levels well above the legal limit.

The lowest level among the eight sites was 40 percent above the legal limit. The highest was 145 percent

more than allowed.

DEQ rules only require the city to report higher than allowed levels to the public once a year, and only if the average of quarterly tests is higher than the legal limit.

That notification went out to residents on Jan. 5. Since then, many residents have refused to believe assurances from the DEQ and the city that the water is now safe to drink.

So, we set out to do complete and independent testing to find out for ourselves exactly what's in your water.

It took a bit of research, but we finally found Water Tech, in Howell, a testing lab with absolutely no ties to Flint, just to make sure there are no questions about the test results.

After having Water Tech train ABC12's Larry Elliott on the proper methods for collecting water samples, we set out last week to randomly test five sites in Flint.

1. Downtown.

"I'm excited to see this done because this is an independent way to find out that everything's just fine," VanWagoner said.

2. The north side.

"We'd like to do kind of a whole battery of tests of your water. Oh yeah," Alexander said.

3. The west side.

"It could be dangerous to us. How about if we help you find out what's in it right now?" Sanders said.

4. The east side.

"I'm hoping for a good test and put my family at ease," Miller said.

5. Our main studio, on the south side.

We also wanted to compare whatever we're to find with Detroit supplied water, so we took a sample from the Burton water system.

Since next year Flint will connect to the new KWA pipeline, getting its water from Lake Huron, we took a comparison sample from the Saginaw-Midland water system, which currently uses Lake Huron water.

We tested all the sites for levels of TTHM. We also tested how much residual chlorine was in the Flint and Burton water supply and more importantly, we tested at two of our Flint sites for a number of other hazardous chemicals that could cause skin or other health problems.

Tests for those other chemicals are not required for public water systems, but we decided to run those tests anyway.

Here's what our independent testing shows:

All sites tested, including the Saginaw-Midland water system and the Burton system, using Detroit water, contained TTHM - but all of them were well below the EPA allowed maximum.

Saginaw-Midland water had less than a third of the maximum TTHM allowed, the Burton system had only about 25 percent of the maximum and the highest level found of all of our Flint tests showed just over 65 percent of what's allowed, all below EPA limits.

A similar byproduct of chlorination, haloacetic acids, was also well below EPA maximums in Flint's water.

We tested Flint's north and east water samples for many other hazardous chemicals that a doctor told us could cause skin or other health problems, and on both tests, not a single one of those chemicals was detected.

Since most often any smell to the water would be caused by levels of total residual chlorine, we tested that too, in both our Flint and Burton samples.

The legal limit is 4 milligrams per liter. The average of our Flint samples shows a level of about a half milligram per liter. Our test in Burton actually shows 22 percent more residual chlorine than Flint.

Our Flint sample also showed no Coliform bacteria.

We asked Chris McCarthy, of Water Tech, a few questions.

Q: How would you describe these test results?

A: "Well, for the samples received, the tests we performed, everything is within EPA guidelines for safe drinking water."

Q: Is there anything in these results that raises a red flag for you?

A: "For water quality or water safety, No."

We then asked residents if these results change their opinion of what they'll do with their water now.

"To be honest, no," Alexander said.

"It will make me feel a lot more comfortable about bathing and brushing my teeth in it, but I'm still not going to drink it and I'm not gonna give it to my kids or my dog," Sanders said.

"It makes me feel a lot more safer, a lot more comfortable knowing that it's safe to drink now, you know. I'll tell you a load lifted off my shoulders. When the kids take baths, when my wife takes a shower, you know, I know now we're safe," Miller said.

So what about those who've stood before Flint City Council with jugs of discolored water?

While Genesee County Drain Commissioner Jeff Wright points out he has no jurisdiction over Flint's water system, he says in general, discolored water like this is nearly always the result of water main breaks or repairs, and Flint has more than its share because of its aging system.

Wright also says the KWA pipeline won't change that. It will take better management of repairs and money - lots of it - to replace Flint's aging water mains.

Unfortunately for the city of Flint, those very high levels of TTHM recorded last August in Flint water tests are still required by the DEQ to be included in the next report calculating average TTHM levels.

The next test will be done next week, and city Public Works Director Howard Croft tells ABC12, because of the high levels last August, the city will again be found in violation and will be required by the DEQ to send out another TTHM notice of violation to all Flint water customers in early March, even if all new tests show levels under the legal limit.

To view the TTHM testing results from the Michigan DEQ, click HERE.

To view the results of ABC12's water tests, click on the location you'd like to see results for below:

Flint Center

Flint North

Flint East

Flint South

Flint West

Burton

Saginaw-Midland

To view the Michigan DEQ results for South Flint, click HERE.

From: Clayton, Stacie (GOV)
Sent: Friday, January 30, 2015 6:19 PM
To: Murray, David (GOV)
Cc: Hollins, Harvey (GOV)
Subject: RE: Backgrounder on Tuesday Flint water event

Great work Dave! This looks good from our end. Have a wonderful weekend!

Stacie

From: Murray, David (GOV)
Sent: Friday, January 30, 2015 6:05 PM
To: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Stanton, Terry A. (Treasury); Saxton, Thomas (Treasury); Walsh, John (GOV); Brownfield, Michael (GOV); Allard, Claire (GOV); Wurfel, Brad (DEQ); Posthumus, Dick (GOV); Hollins, Harvey (GOV); Clayton, Stacie (GOV); Agen, Jarrod (GOV); Wurfel, Sara (GOV); Biehl, Laura (GOV)
Cc: Wisniewski, Wendy (GOV); Rospond, Laurie (GOV)
Subject: Backgrounder on Tuesday Flint water event

Team,

Here is background on the planned Tuesday event in Flint regarding the $2 million Distressed Cities grant and other issues connected to the water issue.

There are plans for two press releases on Tuesday. The first will detail the two Flint grants and will be released by the governor's communications office. The other release, which would detail the other grants, would follow from Treasury with a quote from the governor.

Mayor Walling has agreed to speak at the event, with Harvey Hollins and Dan Wyant representing the governor's office. Sen. Ananich has asked to speak, and it has been suggested that Rep. Neeley would speak and it might be better to add him to the program. Others, such as Deputy Director Workman and Emergency Manager Ambrose, would be present and available.

The attached document includes details about the planned event, as well as background on the grants from Treasury and on the entire water issue from DEQ as well as Mayor Walling's Facebook post about the governor and links to the stories in the media about the issue.

We have a room reserved and are working with the communications team in Flint to have microphones and other items needed for the event.

Please let me know if there is any information you think should also be included, or anything that should be changed. Once everyone has had the opportunity to review, we can forward to the governor.

Thank you, everyone, for your assistance. I know there are lots of moving pieces and many people involved.

Dave

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov

517-335-6397, office
[redacted]mobile
Twitter:@michigandmurray

From: Elizabeth Murphy <emurphy@cityofflint.com>
Sent: Wednesday, March 04, 2015 3:02 PM
Subject: Water Advisory Committee Prep Materials
Attachments: Water Advisory Cmte 030515.zip

I am sending you a zip folder containing the handout materials which you will receive at the Water Advisory Committee meeting tomorrow. Mayor Walling suggested that you may want to have time to look over these documents in preparation for the meeting.

Please stop at the check in table tomorrow to receive your folder and name tag.

--
Liz Murphy
Assistant to the Emergency Manager
City of Flint
810 237 2025

Document Cannot Be Imaged

Flint Water Advisory Committee First Meeting
March 5, 2015 2-4pm MTA Auditorium

Agenda

Committee Members will receive a packet at the entry with their name tag, question sticky notes, pencil and other sources of information.

I. **Welcome and Introduction of Facilitators**

II. **Facilitator Ground Rules and Agenda Review**

Purpose of the Water Advisory Committee: Provide a respectful means of sharing factual information between the City of Flint and the Flint Water and Sewer Customers

The meeting will follow the printed agenda.

The meeting must conclude at 4pm today. The Facilitator will keep us on track.

III. **Expected Outcomes:**

Today's meeting: that all of the water questions have been identified – we may not be able to answer all today, but we would like to set up a means of communicating with this committee on a regular basis.

Through 2016 – That the transition to KWA water processing and distribution is a smooth, satisfactory process resulting a safe, consistent water supply.

IV. **Status of Water and Distribution System Today – H. Croft, Director Department of Public Works**

Evaluation of Flint Water Treatment Plant and Distribution System – Veolia, City of Flint Consultant

V. **Questions from Committee Members and Sort by Category: Safety, Quality, Affordability, Sustainability, History, and Miscellaneous**

VI. **Response to most frequently asked questions.**

VII. **Next Steps**

The next meeting has been scheduled for Thursday, March 19, 2015 here at the MTA Auditorium from 2-4pm.

How often would the committee like to meet? How did this format work?

VIII. **Adjourn**

City of Flint

Water Forum

5/30/2012

City Of Flint Water Forum

CONTENTS

Water History Facts 3

Frequently Asked Questions 4

Budget Allocation and Fund Expenses 5

Asset / Revenue Charts 6

Recent Timeline of Water and Sewer Funds 7

City of Flint- Water and Sewer System Additional Asset / Revenue Data 8

Calculation of Water and Sewer Rates for FY13 Budget 9

Example Water Bill 10

Turn-off Policy 11

Preliminary Options for Future City of Flint Water Sources 12

Improvements for City of Flint Water System 13

City Of Flint Water History Facts

Current Treatment Plant was put into service in 1954.

Current 72" main pipeline was completed in 1970.

Flint signed a 30 year contract with Detroit water and Sewer Department in the mid 1960's.

The contract with DWSD has expired and we are currently operating on a yearly extension.

In 2006 Flint completed a $48,000,000 upgrade of the existing Water Plant. (Required by the MDEQ & for backup only).

Flint's Water & Sewer System is approximately a 300,000,000 Enterprise.

Flint's Water & Sewer System is designed to deliver water to over 200,000 people with over 1,500 miles of infrastructure.

Flint's most recent census count shows a population of approximately 102,000 in 2010.

Flint's census population in 2000 was approximately 124,000.

The water system had over 45,000 customers in June of 1999.

The water system had just over 36,000 customers by June 2011.

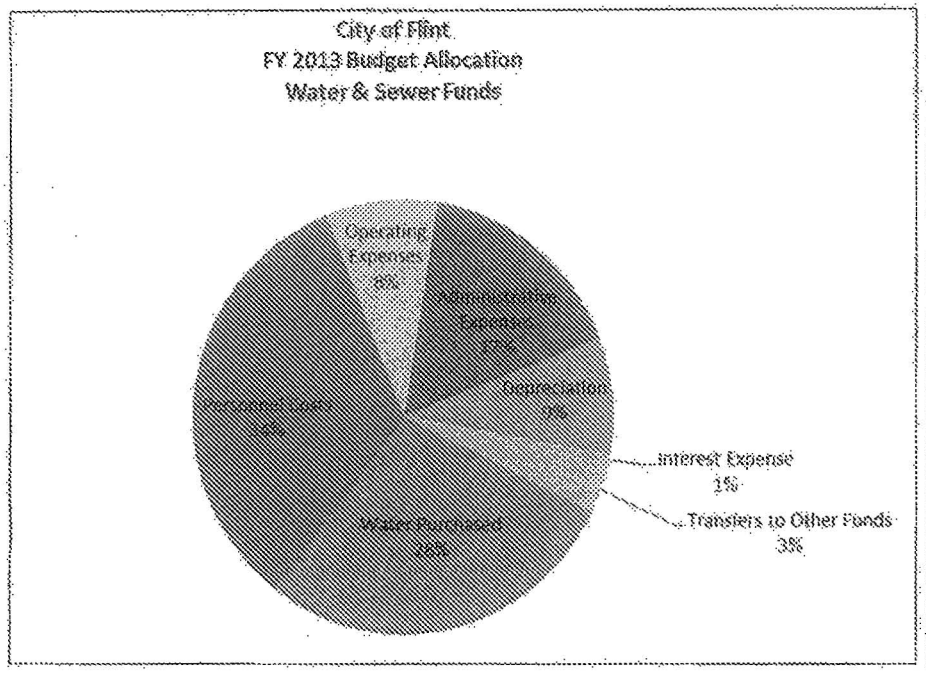
The "Fixed Costs" that must be covered to maintain the system and deliver quality water have increased over time.

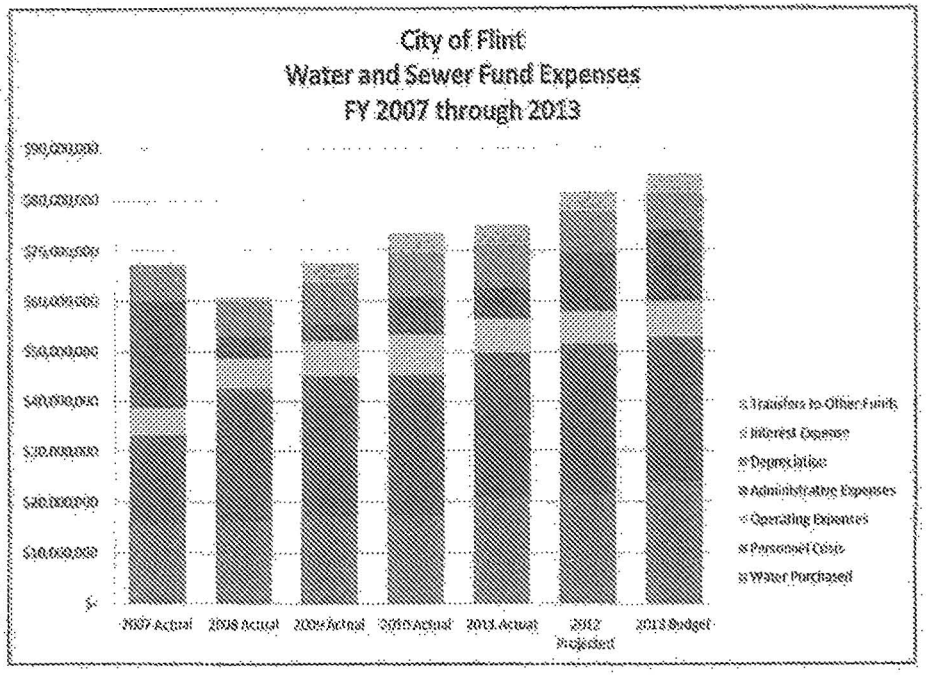
City Of Flint
Most Frequently Asked Questions about Water

- ❑Why are the water rates so high ?
- ❑How does my water bill work (Explanation of charges) ?
- ❑Why do others in the area pay less for the same amount of water ?
- ❑Where has all of the water and sewer fund money gone ?
- ❑What do I do if I think my bill is incorrect ?
- ❑What effect does leakage or theft have on my bill ?
- ❑How can I report water theft ?
- ❑Why don't we go back to using the Flint River like we once did ?

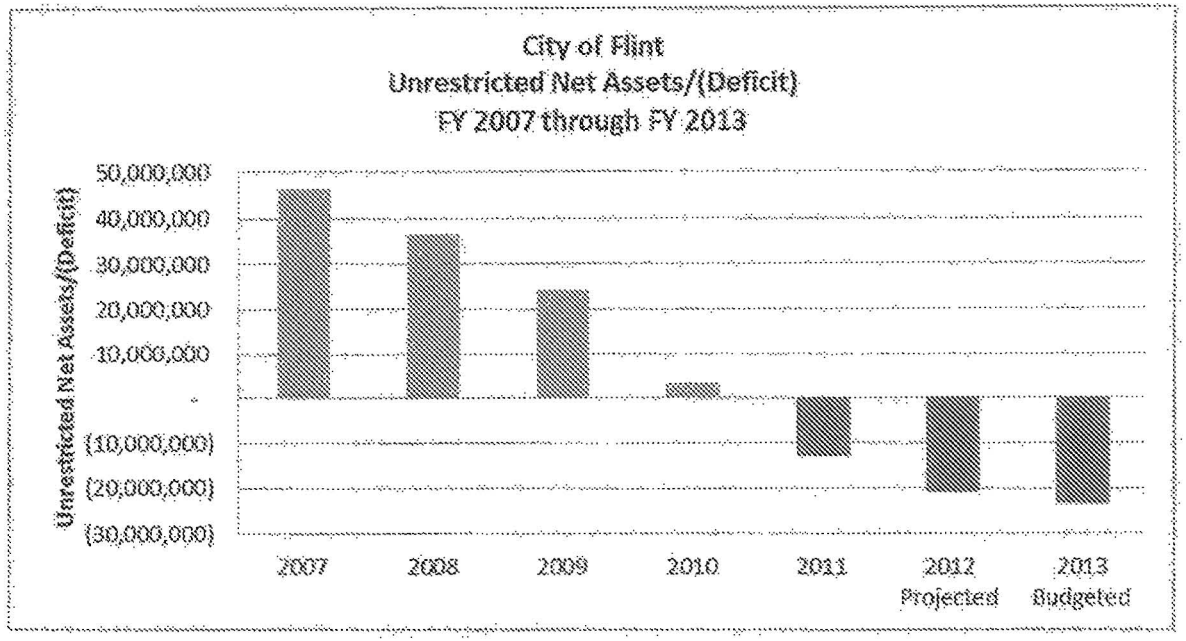
City of Flint

Budget Allocation and Fund Expenses

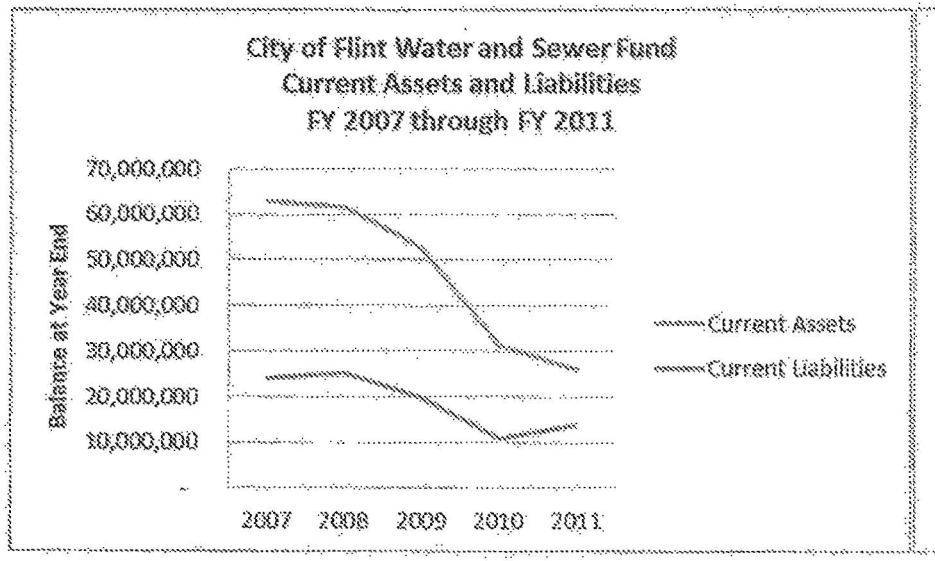


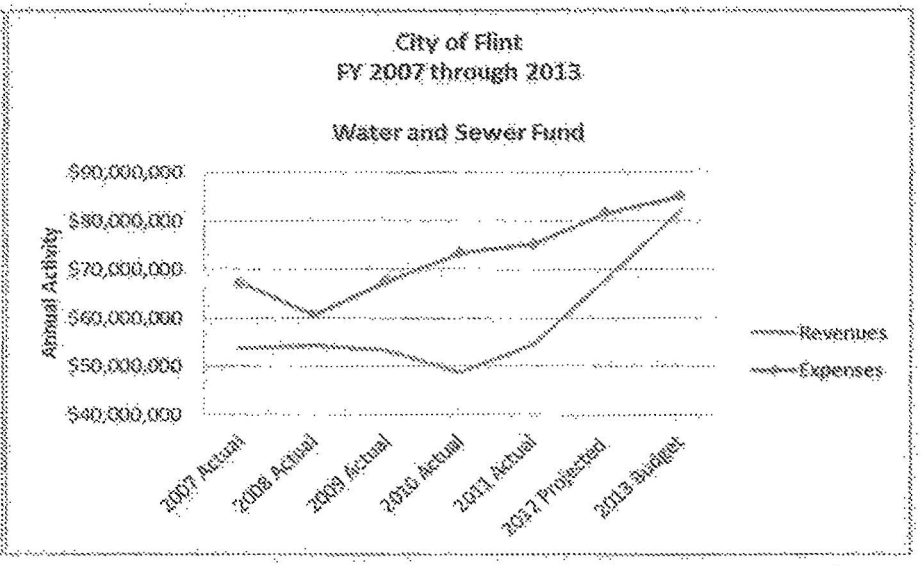


	Audited						
	2007 Actual	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Projected	2013 Budget
Operating Revenues	51,090,679	51,100,332	51,906,553	47,926,589	54,385,644	67,983,044	81,734,552
Other Revenues	2,627,939	3,274,450	1,442,383	764,886	68,645	126,670	455,867
Annual Revenues	53,718,618	54,374,782	53,348,936	48,691,475	54,454,289	68,109,714	82,190,419
Water Purchased	16,052,006	16,297,871	17,421,663	17,103,752	20,919,987	21,756,787	24,031,417
Personnel Costs	17,292,444	26,302,590	27,591,206	28,149,946	28,618,817	29,640,499	28,546,350
Operating Expenses	5,355,638	6,145,119	6,950,534	8,146,390	6,917,964	6,420,260	7,259,290
Administrative Expenses	21,300,900	4,229,382	3,403,231	7,327,630	6,221,627	11,465,462	14,140,047
Depreciation	7,217,142	7,132,870	8,364,022	8,854,889	8,689,809	8,615,000	7,500,000
Interest Expense	86,632	485,499	868,031	812,270	754,890	705,150	644,314
Transfers to Other Funds	-	-	2,990,000	2,990,000	2,990,000	2,990,000	2,990,000
Annual Expenses	67,304,762	60,593,331	67,588,687	73,384,877	75,113,094	81,593,158	85,111,418



	2007 Actual	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Projected	2013 Budget
Revenues	53,718,618	54,374,782	53,348,936	48,691,475	54,454,289	68,109,714	82,190,419
Expenses	67,304,762	60,593,331	67,588,687	73,384,877	75,113,094	81,593,158	85,111,418

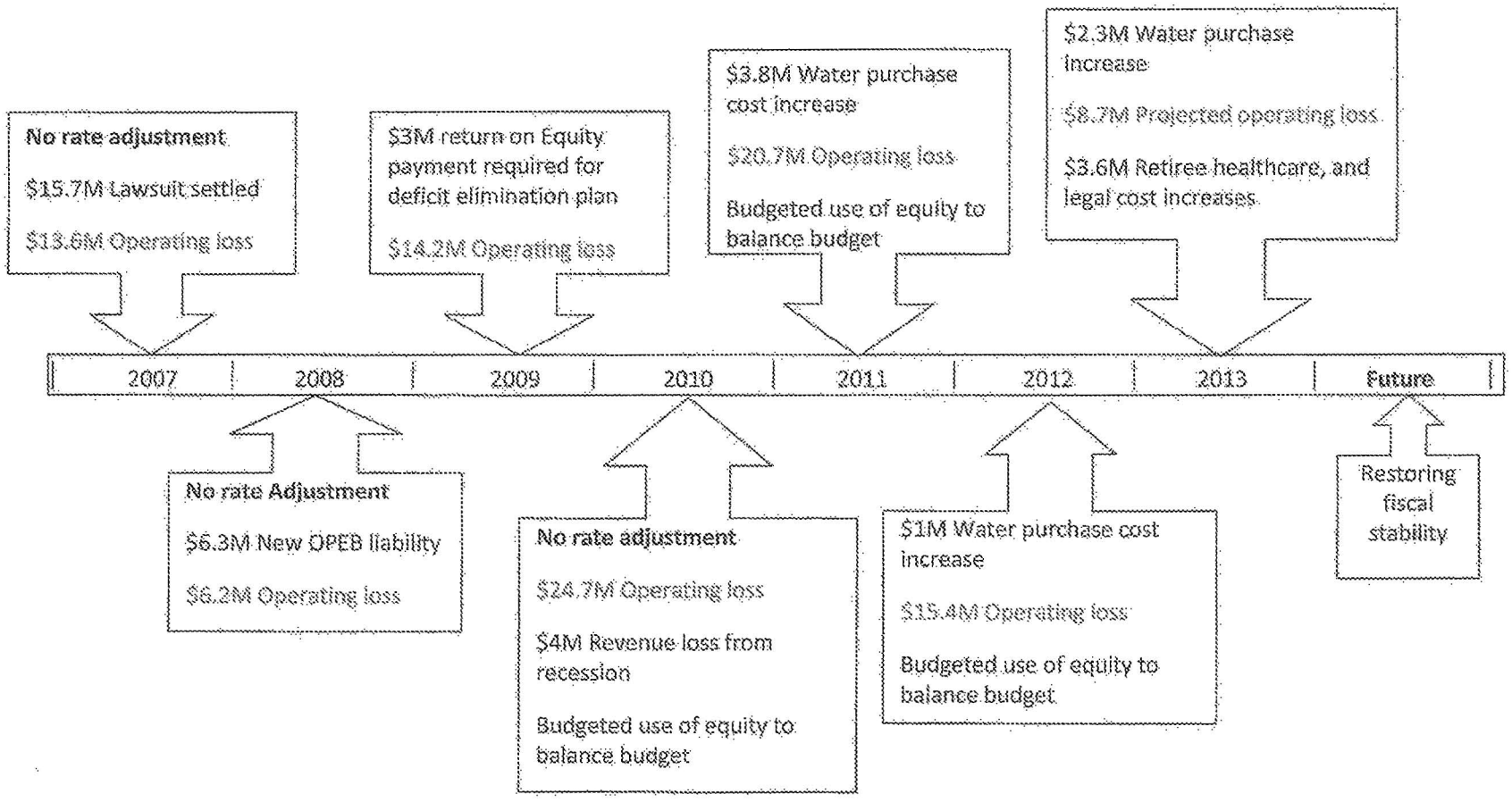




City of Flint

Recent Timeline of Water and Sewer Funds

FY 2007 through 2013



City of Flint- Water and Sewer System Additional Asset / Revenue Data

The average annual residential water sewer bill in FY2005 was less than $700 annually
The average annual residential water/ sewer bill in FY13 will be nearly $1,700

Expenses have exceeded revenues every year since 2006:

FISCAL YEAR	Rate Base	Revenues	Expenses	Revenues Minus Expenses	Unreserved System Equity	FACTORS IMPACTING SOLVENCY			COST IMPACT
2006	2005	$55,204,242	$50,933,792	$4,270,450	$60,340,013				
									(millions)
2007	2005	$53,856,857	$67,442,993	($13,586,136)	$46,399,452	No rate adjustment			??
						$15.7 million lawsuit settlement	15.7	0	$15.7
2008	2005	$54,374,781	$60,693,331	($6,318,550)	$36,482,488	No rate adjustment			??
						OPEB liabilities added	3.6	2.7	$6.3
2009	2009	$53,488,463	$67,728,218	($14,239,755)	$24,023,065	ROE payment added as part of City t	1.9	1.1	$3.0
2010	2009	$48,820,329	$73,513,725	($24,693,396)	$3,591,768	No rate adjustment			??
						Use of retained earnings budgeted	12.5	0.5	$13.0
						Revenue lost due to recession	2	2	$4.0
2011	2011	$54,527,079	$75,185,679	($20,658,600)	($12,868,607)	Use of retained earnings budgeted	7.1	3.5	$10.6
	2011					Water purchase cost increase	0	3.8	$3.8
2012		$68,279,187	$83,682,840	($15,403,653)	($28,884,122)	Use of retained earnings budgeted	5.1	0	$5.1
						Water purchase cost increase	0	0.8	$0.8
2013	2013	$82,220,420	$90,970,420	($8,750,000)	($37,379,690)	Water purchase cost increase	0	2.3	$2.3
						RHC/Legal/Admin Cost Allocation	2.1	1.5	$3.6
				($99,279,840)					$68.2

Calculation of Water and Sewer Rates for FY13 Budget

March, 2012:

	Expense Projection Based on FY12 Costs	Revenue Projection Based on FY12 Receipts	Difference Between Projected Revenues and Expenses	Rate Increase Necessary To Close Gap
Water	$49.9	$44.4	-$5.5	12.4%
Sewer	$31.0	$21.4	-$9.6	44.9%
TOTAL	$80.9	$65.8	-$15.1	22.9%

CITY of FLINT, MICHIGAN
WATER &/OR SEWER BILL

Service at: 5810 BALDWIN BLVD

TREASURER
CITY OF FLINT
P.O. BOX 1950
FLINT, MI 48501

PRESORTED
FIRST CLASS MAIL
US POSTAGE PAID
CITY OF FLINT

3419 Active

ACCOUNT NUMBER	DUE DATE
[redacted]	02/28/2012
	NET AMOUNT DUE
	147.85

RETURN THIS STUB WITH YOUR PAYMENT

Seq=3138

**AUTO [redacted]

00000376810000014785022820120000014913777O6

KEEP THIS PORTION FOR YOUR RECORDS

LAST READ/DATE/TYPE		NEW READ/DATE/TYPE		CONS	SERVICE	CHARGE
381	01/05/2012 A	383	02/03/2012 A	2	Sewer Non-metered	6.62
					Sewer Svc Chg	22.07
					Water	13.36
					Water Svc Chg	19.36

Prev. Balance	161.08
Payments	-75.00
Adjustments	0.00
Current Penalty	0.36
New Charges	61.41
Total Due	147.85
Due Date	02/28/2012

ACCOUNT: BALD-005810-0000-01 SERVICE AT [redacted]

PENALTY ASSESSED 30 DAYS AFTER DUE DATE

CITY OF FLINT
DEPARTMENT OF FINANCE

Customer Service Center

Dayne Walling
Mayor

Douglas Bingaman
Treasurer

CITY OF FLINT
WATER NON-PAYMENT TURN-OFF POLICY

1. Water services to any customer may be shut off if the account is not paid until after 30 days after the due date. (City ordinance 46-52 (h))

2. Non-payment turn-offs are done only Monday through Thursday. The Customer Service Center does not schedule non-payment turn-offs on Fridays, Saturdays, Sundays, or most recognized holidays.

3. Illegal usage, broken payment arrangements and NSF (non-sufficient funds) turn-offs are done at any time without additional notice.

4. Turn-off notices are mailed to delinquent customers fifteen (15) days before actual turn-off.

5. The water customer is responsible for maintenance of all plumbing in the premises including connection to City water mains or sewer lines.

6. If a customer disputes a water bill and is unable to resolve the issue with Customer Service personnel, the customer may request an administrative review. Further information on any water account may be obtained by calling (810) 766-7015 or visiting the Customer Service Center at 1st Floor, City Hall, 1101 S. Saginaw St.

Preliminary Options for Future City of Flint Water Sources

Consider a New Negotiated Contract with Detroit Water and Sewer Department

PRO'S	CON'S
No upfront capital costs	Lack of control over new / fixed changes
Possibility to negotiate a lower rate	Past practices
Ability to "Blend" water sources to further control costs	

Consider a Contract with the Karegnondi Water Authority

PRO'S	CON'S
Voting member of KWA board	Capital cost (debt service)
Ability to "Blend" water sources to further control costs	Uncertainty of final costs
Raw water is an asset for attracting new buisnesses	

Blended Use of the Flint River

PRO'S	CON'S
Helps contro cost of water	

*** CURRENTLY NO DECISIONS HAVE BEEN MADE REGARDING THE FUTURE WATER SOURCE

Improvements for City of Flint Water System

Reduce Leakage

▪**Finalize a Preventative Maintenance Plan**
- (Planning started in January 2012, requires funding, … part of Operational Costs)
- Will help identify repair area's

▪**Reduce water theft**

▪**Replace water meters**
- We currently have an eighteen month plan to replace all meters with more efficient "*Smart Meters*"

▪**Encourage routine household checks**
- "Faulty" toilets are a significant reason for household water loss. and unexpected larger bills.

Other Leakage concerns

✓Transmission Loss

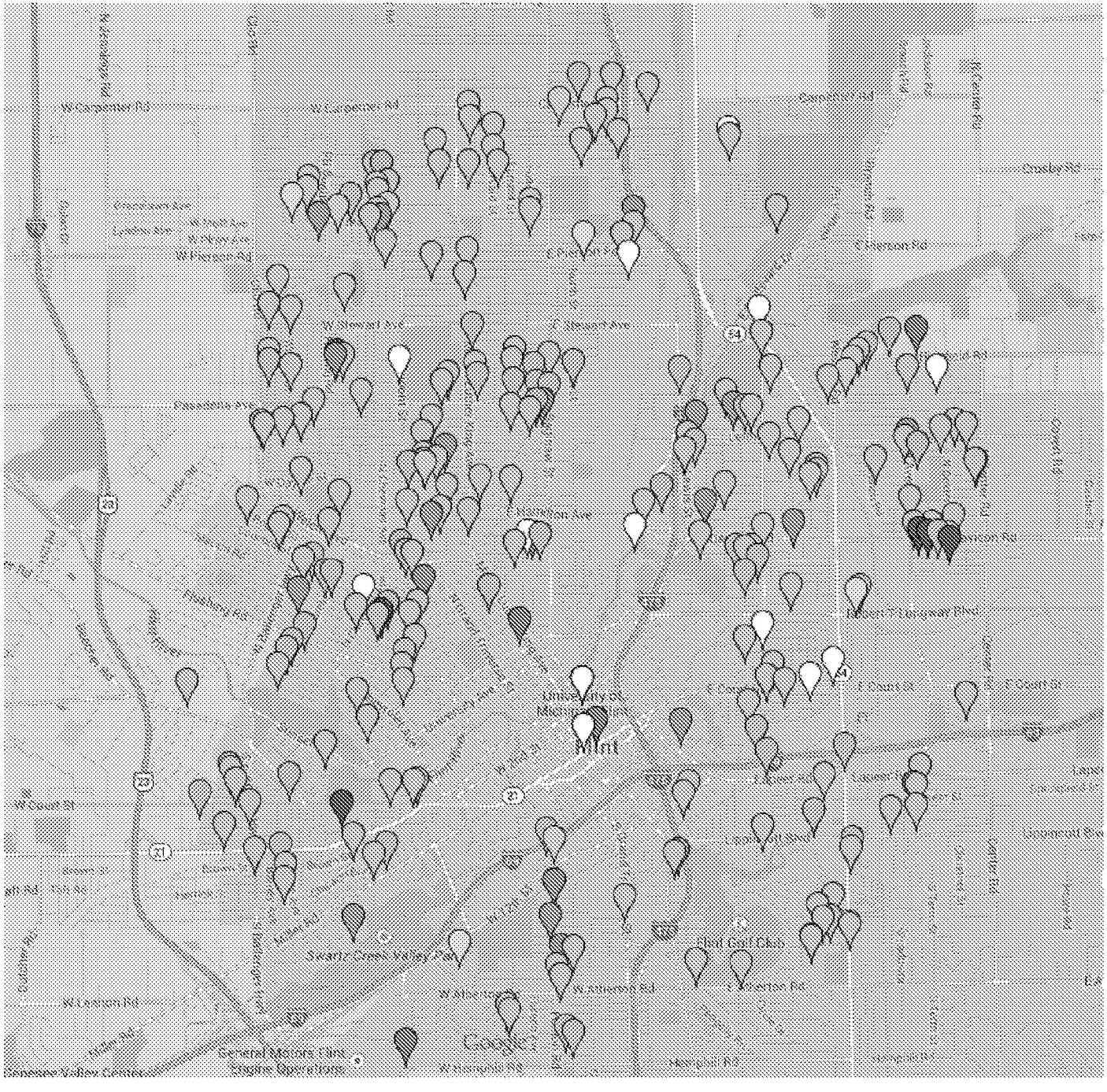
✓Fire Hydrants

✓Incorrect water bills

✓Non-Payment

Water Main Breaks 2014

- [x] Main Breaks from Leak Report
  - Clean break
  - Split at pipe bell
  - 2" dia hole
  - Service line
  - Corp break
  - Pipe bell clean break
  - hole in mechanical bell
  - mechanical joint
  - 3" dia hole
  - 4" hole
  - Previous repair failure
  - Split pipe
  - Split tee
  - valve face
  - 1" dia hole
  - 2" split
  - 3" split
  - 3/4" lead corp
  - 4" split
  - Tapping saddle
  - Other / No data


W Carpenter Rd
Crosley Rd
W Stewart Ave
E Stewart Ave
W Flemington Ave
E Flemington Ave
W Dayton St
E Dayton St
W Main St
E Main St
W Court St
E Court St
W Allison Rd
E Allison Rd
W Lexington Rd
E Lexington Rd
W Memorial Rd
E Memorial Rd
Dayton Rd
Fairview Rd
Linden Ave
Miami
Miami University Middletown
Sharon Woods Metropark
Sharon Woods Golf Club
General Motors Corp Engine Operations
Genesee Valley Center
Dayton-Cincinnati Turnpike
Middletown Eaton Rd
Yankee Rd
Verity Pkwy
Central Ave
Main St
Court St
Allison Rd
Lexington Rd
Memorial Rd
Stewart Ave
Flemington Ave
Dayton St
Carpenter Rd
Crosley Rd
Fairview Rd
Linden Ave
Yankee Rd
Verity Pkwy
Central Ave
Dayton-Cincinnati Turnpike
Middletown Eaton Rd
Sharon Woods Golf Club
Sharon Woods Metropark
Miami University Middletown
General Motors Corp Engine Operations
Genesee Valley Center
Miami
Oxford
Hamilton
Middletown
Monroe
Franklin
Springboro
Lebanon
Kettering
Centerville
Beavercreek
Fairborn
Xenia
Springfield
Troy
Piqua
Sidney
Urbana
Wilmington
Washington C.H.
Chillicothe
Hillsboro
Greenville
Tipp City
Huber Heights
Vandalia
Englewood
Clayton
Trotwood
Harrison
Hamilton
Fairfield
West Chester
Liberty Township
Mason
Lebanon
Kettering
Centerville
Beavercreek
Fairborn
Xenia
Springfield
Troy
Piqua
Sidney
Urbana
Wilmington
Washington C.H.
Chillicothe
Hillsboro
Greenville
Tipp City
Huber Heights
Vandalia
Englewood
Clayton
Trotwood
Harrison
Hamilton
Fairfield
West Chester
Liberty Township
Mason
Oxford
Monroe
Franklin
Springboro
Middletown
Dayton
Cincinnati
Columbus
Indianapolis
Richmond
Lexington
Louisville
Cleveland
Akron
Canton
Toledo
Detroit
Pittsburgh
Wheeling
Charleston
Huntington
Ashland
Portsmouth
Zanesville
Newark
Mansfield
Marion
Findlay
Bowling Green
Fremont
Sandusky
Lorain
Elyria
Medina
Wooster
Ashland
Mansfield
Marion
Findlay
Bowling Green
Fremont
Sandusky
Lorain
Elyria
Medina
Wooster
Akron
Canton
Toledo
Detroit
Pittsburgh
Wheeling
Charleston
Huntington
Portsmouth
Zanesville
Newark
Cleveland
Columbus
Indianapolis
Richmond
Lexington
Louisville
Cincinnati
Dayton
Middletown
Oxford
Monroe
Franklin
Springboro

City of Flint Water System Facts

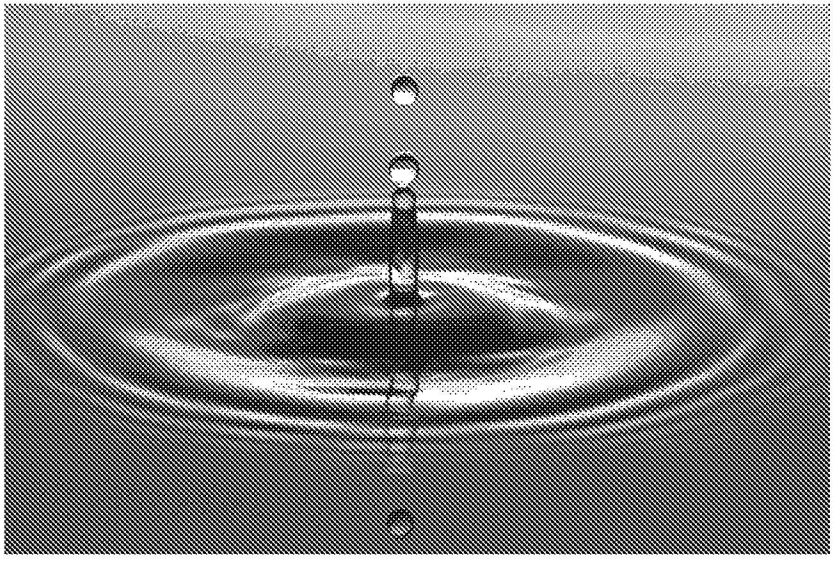
Over 600 Miles of Distribution Mains

Over 7000 Valves
Over 3909 Hydrants

Over 46,000 users in 2006
Only 31,000 users in 2014

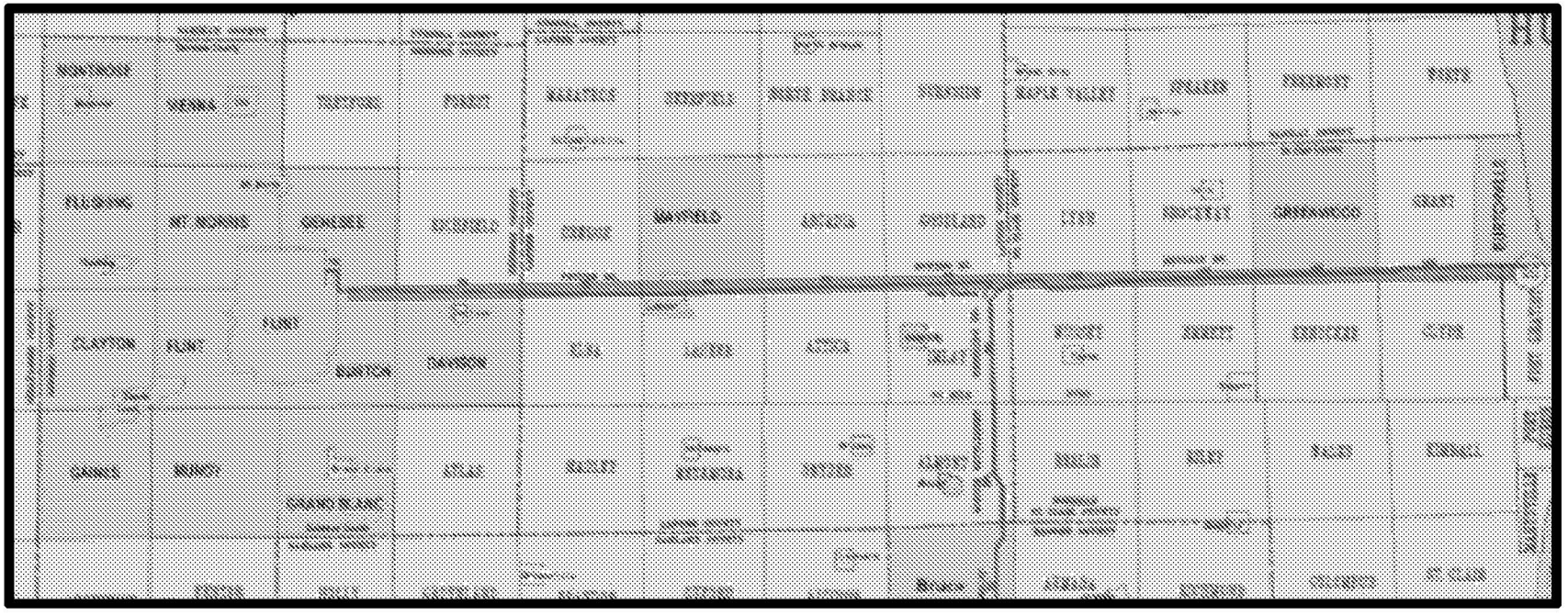
What Can Impact Water Quality ?

- Condition of source water
- Temperature
- Organic material
- Retention time in system
- Low flow
- Dead ends
- Main Breaks
- Repairs



Quality Indicators

- Chlorine residual
- Total coliforms



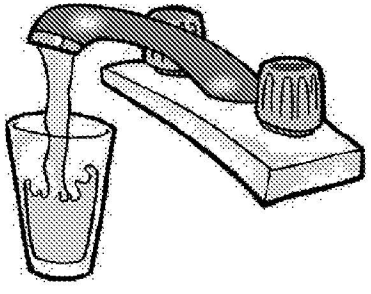
Flint River

vs.

DWSD

CITY TESTING

- 10 test sites around the city
- Tests are performed manually 2 – 3 times a week
- Over 100 Tests are performed a month
- All tests are reported to the DEQ for oversight
- Tests are performed **EVERY** four hours inside the Plant
- The City responds to and tests all reported concerns



Michigan DEQ
State License Types

Complete Treatment	Limited Treatment	Distribution
F-1	D-1	S-1
F-2	D-2	S-2
F-3	D-3	S-3
F-4	D-4	S-4

Recent Boil Water Advisories in MICHIGAN

LOCATION	DATE	CAUSE
Edwardsburg / Lunker	Nov 12, 2014	Fire
Superior Township	May 03, 2014	Main Break
Benton Harbor	Jan 9, 2014	Water Pressure
Union Township	Nov 6, 2013	Main Break
Charlevoix	August 7, 2013	Pressure Loss
Novi	Feb 13, 2013	Pressure Loss
Muskegon Heights	Nov 17, 2012	Main Break
Commerce Township	Dec 6, 2010	Depressurization

City of Flint Contacts

Public Works Director	Howard Croft – hcroft@cityofflint.com
Utilities Administrator	Daugherty Johnson- djohnson@cityofflint.com
Plant Supervisor	Brent Wright – bwright@cityofflint.com
F-1 Operator in Charge	Mike Glasgow – mglasgow@cityofflint.com
S-1 Operator in Charge	Robert Bincsik – rbincsik@cityofflint.com

Phone Numbers

City of Flint Treatment Plant	810-787-6537
Public Works Director	810-766-7346 x 2403
Utilities Administrator	810-766-7135 x 2602
EPA Safe Drinking Water Hotline	1-800-426-4791

City of Flint
Water Improvements since November 2014

DATE	IMPROVEMENT	EFFECT
Nov.	Increased flushing efforts (as weather permits)	Reduced time of water in the system
Nov.	Adjusted operational softening to no less than 80%	Reduce chlorine demand
Dec.	Started hydraulic modeling of distribution system	Helps to identify locations of bad valves
Dec.	Started evaluation of different polymers	Removal of organic carbon
Dec.	Started SCADA upgrades inside of Water Plant	Improvement of internal software controls
Jan.	Hired vendor to upgrade efficiency of the ozone system	Better oxidation and disinfecting
Jan.	Started jar testing	Assists in dosage amounts and polymer aids
Feb.	Hired consultant Veolia for process review	Professional recommendations
Feb.	Leased and installed TTHM analyzer	Increased internal testing ability
Feb.	Adjustments to reservoir level to match demand	Reduce time of water in system

City of Flint

Water System Update

With

Questions & Answers

February 16, 2015

* CITY HALL, 1101 S. SAGINAW STREET, RM 5105, FLINT, MICHIGAN 48502 (810) 766-7135 Fax (810) 766-7249 *

CITY OF FLINT

Department of Public Works

Dayne Walling
Mayor

Gerald Ambrose
Emergency Manager

Howard Croft
Director

TO: Flint City Residents

FROM: Howard Croft, DPW Director

RE: **Water Questions**

DATE: February 16, 2015

Over recent weeks the City of Flint has taken a number of measures to increase both the quality of water and the availability of information. Monthly Operating Reports are posted online approximately 15 days following the end of each month, a summary report is also posted with additional information of utility functions, and the City has increased the level of testing being performed on the water.

A nationally recognized vendor (Veolia North America) has been contracted to provide a detailed overview of City procedures and to make recommendations where they see areas of improvements.

The following questions and answers are provided for all interested parties, and are intended to provide transparent, detailed, and updated information that is pertinent to the City of Flint's water system.

City of Flint – Questions and Answers

Is it currently safe to drink City of Flint water?
Yes. Water from the City of Flint meets all of the EPA regulatory standards of the Safe Drinking water Act.

What can you say about the quality?
The City of Flint is committed to providing high quality drinking water to residents and businesses in the community, and has taken every precaution to ensure the water quality meets guidelines for safe drinking water. To ensure that tap water is safe to drink, the Environmental Protection Agency (EPA) prescribes regulations, which limit the amount of certain contaminants in water provided by public water systems. In addition the Food and Drug Administration regulations establish limits for contaminants in bottled water, which must provide the same protection for public health. The City of Flint tap water meets the guidelines set by both entities.

What is considered to be a contaminant?
Contaminants that may be present in water include microbial contaminants such as viruses and bacteria, and inorganic contaminants such as salts and metals, which can occur naturally. Pesticides, herbicides, organic chemical contaminants and radioactive contaminants could also be present.

It's important to note that **drinking water, including bottled water** may reasonably be expected to contain at least small amounts of some contaminants. But the presence of contaminants does not necessarily indicate that the water poses a health risk.

Will these contaminants make people sick?
The EPA requires that every water report must contain language addressing the fact that some people have comprised immune systems or conditions that make them more vulnerable to contaminants in drinking water than the general population.
A few examples are, an individual with a compromised immune system such as someone undergoing chemotherapy or an organ transplant, a person with HIV/AIDs or other immune system disorders. Some elderly people and infants can be particularly at risk from infections. These individuals and parents of infants should seek advice from their health providers. It's important to understand that this is the case with all public drinking water. It's not unique to water from the Flint River.

How often does the City monitor water quality?
The City monitors its water on a daily basis to assure that water quality remains within established guidelines. With the variances in water temperature, and the leakage and infiltration problems arising due to failure of parts of the distribution system, water quality did exceed, for a time, some of the established guidelines. This resulted in the issuance of the recent notices to the public. Once it was learned that some guidelines were not being met, the City's immediate focus was to bring water quality back within guidelines. The efforts taken to address non-compliance included increasing water flow through valve replacements and hydrant flushing and optimizing treatment processes.

What were the causes of increased levels of bacteria (including fecal) levels that I read about? Have the causes been sufficiently addressed? If not what needs to be done to prevent this from happening again?
As is the case with most systems which treat surface water, many factors contributed to the

environment which allowed bacteria to proliferate. One of the main factors in our case is that when water travels through the 600 miles of the City's distribution mains it will, at times, in certain areas of the city, reside in the system for different periods of time. Water purchased from the Detroit Water & Sewage Department is drawn from Lake Huron, chlorinated, and then it travels over 60 miles to reach the City. By the time the water reaches Flint it is stable and capable of withstanding this type of residency time with the system. Water drawn from the Flint River, specifically in summer months when the temperature is fluctuating, is more susceptible to being impacted by variables such as high residency times and increased chemical reaction. Over the recent three months the residency time of water in the system has been reduced to approximately one week.

The Department of Environmental Quality (DEQ) requires that a minimum of 100 tests be performed monthly for chlorine residuals at various locations throughout the system. When residual levels are too low, it creates an environment in which bacteria such as fecal coliform can grow. After switching sources, we encountered testing sites in June 2014 that were consistently returning low residual levels. Several of these sites became areas that total coliform was eventually detected and ultimately "boil water" notices were issued. A significant cause of this is attributed to aged infrastructure which includes broken valves.

The necessary repairs and adjustments have been made to bring bacteria to acceptable levels with the exception of one test site -- the 2500 block of Flushing Road, where low residual levels continue. The City expects and is actively searching for valve issues. The engineering firm LAN & Potter Consulting is working to develop a hydraulic model of the distribution system and have the ability to use unidirectional flushing that will assist in addressing areas where residual levels are low.

The City has done internal testing recently that shows all eight sites currently well underneath the Maximum Contaminant Level and the next official testing date is due to the DEQ by March 1st, 2015.

It was recently announced in the news that Governor Snyder gave Flint $2 million to fix the water problems? Is this true?
Yes. Under the state's Financially Distressed Cities, Villages and Townships Grant Program, Flint was awarded $2 million to help address some of the problems associated with an aging water distribution system. While the City of Flint is very appreciative of the grant, it's going to take a substantially greater amount to fully address the improvements needed.
The grant will cover two significant projects, one, to decommission the incinerator that will result in ~$400,000 in savings annually to the sewer fund and two, a complete leak detection performed on all of the large transmission mains in the City that will reduce water loss, thereby creating a savings in the water fund.

This issue did not happen before the switch from Detroit water to Flint water. Why now?
Switching to the Flint River has highlighted underground inconsistencies in the distribution system that have existed for decades. Over the last few years, the City has engaged in the development of a more effective and consistent preventative maintenance program and a Capital Improvement Plan that will result in a more reliable water distribution center over time.

Was it known prior to the switch from Detroit water to Flint water that there would be problems managing certain bacteria levels?
It was understood that the Flint River would be subject to variations due to temperature changes, rain events and would have higher organic carbon levels than Lake Huron water and would be more difficulty to treat. These facts were presented to and weighed by licensed staff, LAN engineering consultants and the DEQ. It was determined that Flint has the equipment and the capacity to meet the demands of treating river water.

So in the majority of cases, it's safe to drink Flint tap water?
Yes, as safe it possibly can be. However if a person has a compromised immune system then he/she should consult with her/his physician first. It is also safe to bath and brush your teeth using the water.

What about the "hardness" of the water?
The Flint River is a harder water source than water drawn from Lake Huron. Hardness is classified as having a higher mineral content than "soft water", with the main concentration being calcium and magnesium. Water hardness is not considered by the EPA to be a health hazard.
Water hardness has been known to impact things such as cleaning tasks such as laundry, dishwashing, bathing personal grooming, and has also been associated with some forms of skin irritation such as eczema.

What are the public reporting requirements for these sorts of problems, and has the City met those requirements? What can be done to communicate useful information about a public health threat in timelier manner?

The EPA 2010 "Revised Public Notification Handbook" has a specific breakdown of the elements required in public notifications and includes usable templates. The EPA has three different tiers associated with community water systems (CWS), each with specific timeframes and requirements that trigger upon issuance of the violation.

- **Tier 1.** CWS must provide **public notification within 24 hours of a violation** and continue this as directed by the primary agency.
- **Tier 2.** CWS must provide **public notification within 30 days of a violation** and continue this every three months until the violation is resolved
- **Tier 3.** CWS must provide **public notification within one year** and the EPA recommends repeat occurrences be provided in an annual notice

The current violation is classified as a tier 2 violation and was issued December 16, 2014.

Besides the home notifications, where can I find official communications and any updates on the Flint water issue?
The City posts information on the City of Flint website at www.cityofflint.com. There is a special section dedicated to addressing Flint water concerns and providing up-to-the-minute updates. In

addition, updates can be found on Flint's Facebook page and citizens may also call the Flint Water Plant & Facilities at 810-787-6537 with questions.

If the water is ok to drink, why did GM stop using the water?

General Motors has been A great partner to the city for many years and when they recognized that an elevated level of chloride in the water was having an impact on a specific machining process they requested permission to transfer water delivery for that specific process to Flint Township. This represents only 10% of the water purchased and used by GM at the entire site. The remaining 90% of their water usage including all of the drinking water for GM employees is still purchased from the City of Flint.

Respectfully Submitted,

Howard D. Croft
Public Works Director

CITY OF FLINT

OFFICE OF THE EMERGENCY MANAGER

Gerald Ambrose
Emergency Manager

TO: Wayne Workman, Deputy Treasurer
Treasury Department
State of Michigan

FROM: Jerry Ambrose, Emergency Manager
City of Flint

DATE: March 3, 2015

As the Emergency Manager for the City of Flint, I am charged with restoring the City government to financial solvency, and working to assure that the City moves forward on a financially sustainable basis. The steps taken over the past three years have been difficult. Taxes and fees have been raised, services and workforce reduced, and ongoing costs, including legacy costs, have been constrained.

The current controversy surrounding the provision of water, and the path for resolution, has a potentially significant impact on the progress that is being made. I am satisfied that the water provided to Flint users today is within all MDEQ and EPA guidelines, as evidenced by the most recent water quality results conducted for MDEQ. We have a continuing commitment to maintain water safety and to improve water quality, and have dedicated resources to assure this commitment will be made.

The oft-repeated suggestion that the City should return to DWSD, even for a short period of time, would, in my judgment, have extremely negative financial consequences to the water system, and consequently to the rate payers. By the most conservative estimates, such a move would increase costs by at least $12 million annually, with that amount achieved only by eliminating virtually all budgeted improvements in the system. For a system with Unrestricted Assets of only $740,745, according to the June 30, 2014 audited financial statements, the only recourse within the City's control would be to increase revenues significantly. And in my judgment, that would come from raising rates for water by 30% or more . Further, changing the *source* of the city's water would not necessarily change any of the *aesthetics* of the water, including odor and discoloration, since those appear to be directly related to the aging pipes and other infrastructure that carry water from the treatment facility to our customers.

This direction of discussion also deviates from what, in my judgment, should be the focus: How can we not only operate and maintain a system to assure the delivery of safe and quality water dependably, but significantly reduce the cost of water and sewer to the users? At an average of $149 per month for water and sewer service for a residential user, the cost is extremely high in comparison to surrounding areas, as well as most areas across the state, and creates a significant financial burden for many users. In my judgment, we should all be concentrating on how to reduce rates by 50% or more. Unfortunately, there are no easy or evident answers, and continuation of the status will be an impediment to the sustainable recovery of the City of Flint. It is a conversation that I expect we will have with the recently created Water Quality Advisory Committee.

My reasoning for this conclusion is as follows:

One of the decisions made in the context of beginning to eliminate deficits and to restore financial stability to the City of Flint was to increase water and sewer rates significantly – the only choice available to financially stabilize a system that as of June 30, 2012, had a deficit of $8,758,091. Another was to leave DWDS for the KWA because it offered the opportunity to lower future rate increases. A third decision was to utilize the Flint River on an interim basis when DWSD unilaterally terminated the City's contract for water purchase. That decision was made because it also offered an immediate cost savings opportunity which translated into the ability to upgrade the Water Treatment Plant without having to seek financing. It was a reasonable decision because of our experience in using the river in a back-up capacity, including test runs on a quarterly basis for several decades.

Unfortunately, the switch to the river as a primary source was more challenging than anticipated, and the harsh winter of 2013-2014 resulted in much more damage to the aging water infrastructure than in previous years. The result was the issuance of required notices that water exceeded established guidelines for safety as it could affect certain vulnerable populations, and some users of the system experienced unpleasant odors and discoloration. Some users also appeared to have had some negative reactions to the new source of water. However, as soon as the test results were known, City staff took immediate actions to address the concerns. These actions are evidenced today by the fact that MDEQ has certified that our most recent testing shows water from all testing sites to be well within acceptable guidelines. Additionally, the City is continuing to taking the necessary actions to assure that the water supply remains safe and that water quality continues to improve.

As the City has moved to address the situation, the suggestion continues to be made that the City should re-engage with DWSD and purchase water at least until the KWA pipeline is supplying water. As evidenced by the most recent letter from DWSD, such a decision would immediately increase the City's cost by $846,700 per month, or $10,160,400 per year, just for the fixed cost portion of the price. The actual *purchase* of water would be an additional fee, and dependent upon

the quantity purchased. We estimate the actual water purchase cost to average more than $1 million per month, for a grand total of approximately $22 million per year. Finally, the DWSD offer is conditioned upon the City (or presumably the KWA) agreeing to negotiate a long term contract (30 years) for back-up.

The $22 million annual estimate of increased costs to purchase water from DWSD would be minimally offset by an approximate $3 million in reduced operating costs, and could be further offset by an additional $9 million, but only if all funding for capital improvements to the system are eliminated. To eliminate all funding dedicated to repairing, stabilizing, and improving the system would be totally irresponsible and would have long term negative consequences to the City and to future rate payers.

As you are aware we have recently brought in outside expert assistance to evaluate the steps we have taken to assure that the water is safe and to continue to improve water quality. We are expecting specific recommendations within the next few weeks, and are committed to implementing those recommendations in a timely manner. Many steps have already been taken. I am confident that implementing their recommendations will assure a continuing supply of safe water as well as improved quality, and at far less cost than re-engaging DWSD.

We have also created a 40-member Water Advisory Committee and a 13-member Technical Advisory Committee to assure two-way communication with the public and users of the system. Those committees will begin to meet this week, and we look forward to answering their questions and receiving their input.

It is unfortunate that problems and concerns with quality have arisen, and we are working every day to address the issues that caused them. Maintaining safe water and improving quality is a top priority as we work to make the City of Flint an attractive place to live, work, study, and play.

02/09/2015

UTILITITY WIDE WATER FUND PROFESSIONAL SERVICES
PERIOD ENDING 02/28/2015

ACCOUNT	DESCRIPTION	2014-15 AMENDED BUDGET	ACTIVITY FOR MONTH 02/28/2015	YTD BALANCE 02/28/2015	ENCUMBERED YEAR-TO-DATE	UNENCUMBERED BALANCE	% BDGT USED
Dept 536.100-Utilities - Water Administration							
Fund 591 - Water Fund							
801.000	**Professional Service**	2,320,000.00	50,418.75	537,844.65	348,549.88	1,433,605.47	38.21
	ROWE City Engineering			contract	$ 79,000.00		
	Dump Site Analysis			contract	$ 42,892.00		
	LAN Water Implementation			contract	$ 244,900.00		
	JFA /U.S. Dept Interior					$ 27,295.00	
	Raftelis Financial Update					$ 23,810.00	
	Bray Road					$ 500,000.00	
	TTHM Violation Letters/Mailings					$ 25,000.00	
	MDEQ Permit Fees					$ 100,000.00	
	Energy Costs/Performance Contracts					$ 250,000.00	
	Veolia Water Consultant					$ 40,000.00	
	City Works/Assest Management					$ 350,000.00	
	Operational Contingency					$ 117,500.00	
Total Dept 536.100-Utilities - Water Administration					**$ 366,792.00**	**$ 1,433,605.00**	
Dept 540.100-Water Service Center Management							
Fund 591 - Water Fund							
801.000	**Professional Service**	374,400.00	0.00	74,877.03	250,869.51	48,653.46	87.00
	Sewerlines Cty Engineering			contract	$ 190,000.00		
	Internal Investigations			contract	$ 95,645.22		
	Landfill Services					$ 12,500.00	
	Janitorial Services					$ 4,260.00	
	After Hours Water & Staking					$ 2,500.00	
	Line Stopping					$ 25,000.00	
					285,645.22	**44,260.00**	

Dept 540.202-Wsc-Water Distriburion Mains								
Fund 591 - Water Fund								
801.000	**Professional Service**	60,000.00	0.00	0.00	500.00		59,500.00	0.83
	Fire Extinguisher Services			contract	500.00			
					500.00			
				Balance is being used for budget adjustment to cover overruns for garage charges				
	Current gararge overruns is $100.000.00						**59,500.00**	
Dept 540.300-Capital Improvement								
Fund 591 - Water Fund								
801.000	**Professional Service**	2,660,000.00	0.00	0.00	60,000.00		2,600,000.00	2.26
	Water Meters			contract	60,000.00			
	Water Main Replacement Iroquois					$	2,500,000.00	
	Valve Exercising					$	100,000.00	
Total Dept 540.300-Capital Improvement					**$ 60,000.00**	**$**	**2,600,000.00**	
Dept 545.200-Water Plant - Operations								
Fund 591 - Water Fund								
801.000	**Professional Service**	80,000.00	0.00	8,866.98	10,323.02		60,810.00	23.99
	Lab Testing			contract	10,323.02			
	Dam inspections					$	11,500.00	
	Comprehensive Reulatory Compliance					$	40,000.00	
	Lab Proficiency Testing					$	6,000.00	
	All Max Data Support					$	2,500.00	
Total Dept 545.200-Water Plant - Operations					**$ 10,323.02**	**$**	**60,000.00**	
Dept 545.201-Water Plant Maintenance								
Fund 591 - Water Fund								
801.000	**Professional Service**	26,000.00	0.00	3,700.00	12,955.00		9,345.00	64.06
	Vibration Analysis			contract	$ 5,500.00			
	Elevator Inspections & Services			contract	$ 2,455.00			
	Diving for Dams Inspection			contract	$ 5,000.00			
	RPZ Inpsection & Repair					$	4,000.00	
	Generator Inspection & Services					$	5,000.00	
Total Dept 545.201-Water Plant Maintenance		26,000.00	0.00	3,700.00	**$ 12,955.00**	**$**	**9,000.00**	64.06

Dept 545.300-Water Plant - Capital Improvements

Fund 591 - Water Fund

801.000	**Professional Service**	2,900,000.00	0.00	927,098.07		1,296,474.81	676,427.12	76.67
	Installation of Storage Tanks				contract	$ 716,272.00		
	Motor Control Upgrade				contract	$ 440,157.00		
	Easement- Electrical Grounding				contract	$ 4,054.00		
	Lime Residual				contract	$ 135,991.81		
	Cedar Street Pumpt Station						$ 500,000.00	
	Pump Station Feeder						$ 125,000.00	
	TTHM Operationial Evaluation						$ 50,000.00	
Total Dept 545.300-Water Plant - Capital Improvements		2,900,000.00	0.00			$ 1,296,474.81	$ 675,000.00	76.67

Total	Budgeted	YTD Balance	Encumbered	Unencumbered
	$8,420,400.00	$1,552,386.73	$2,032,690.05	$4,821,865.00

WATER FUND EXPENSES

GL NUMBER	DESCRIPTION	2013-14 ACTIVITY	2014-15 AMENDED BUDGET	2015-16 APPROVED BUDGET	2015-16 BUDGET CHANGES FOR DWSD	2015-16 BUDGET CHANGES FOR DWSD	STATUS QUO REVISED 2015-16 BUDGET WITH DWSD	2015-16 BUDGET CHANGES WITH DWSD & ALL CAPITAL FUNDING ELIMINATED
Expenses - Water Fund								
Dept 536.100-Utilities - Water Administration								
	Wages and Fringes	$76,155	$528,777	$445,851			$445,851	
	Repairs and Improvements	$2,497,397	$2,320,000	$2,320,000		$0	$2,320,000	($1,820,000)
	Other Expenses	$2,295,410	$2,248,750	$2,248,750			$2,248,750	
Dept 540.100-Water Service Center Management								
	Wages and Fringes	$199,883	$228,451	$256,343			$256,343	
	Repairs and Improvements	$140,599	$374,400	$350,000		$0	$350,000	($50,000)
	Other Expenses	$106,780	$477,292	$547,649		$0	$547,649	
Dept 540.200-Wsc-Meter Reading - Water								
	Wages and Fringes	$439,351	$488,365	$481,316		$0	$481,316	
	Other Expenses	$151,894	$64,000	$64,000		$0	$64,000	
Dept 549.202-Wsc-Water Distribution Mains								
	Wages and Fringes	$2,383,598	$3,006,550	$3,024,627		$0	$3,024,627	
	Repairs and Improvements	$391	$60,000	$85,000		$0	$85,000	($85,000)
	Other	$1,210,118	$920,457	$849,500		$0	$849,500	
Dept 545.200-Water Plant - Operations								
	Wages and Fringes	$988,523	$1,827,005	$1,761,027	Staffing	($376,098)	$1,384,929	
	Repairs and Improvements	$48,723	$80,000	$60,000			$60,000	($60,000)
	Supplies, Utilities and Other	$22,779,389	$3,445,656	$3,318,656			$23,960,446	
					Fixed Charge DWSD	$10,160,400		
					Commodity Chg DWSD	$12,818,190		
					Chemical Purchase	($1,480,900)		
					Electrical Power	($850,000)		
Dept 545.202-Water Plant - Dam Operations		$119,216	$0	$0			$0	
Dept 545.203-Water Plant - Dam Maintenance		$126,623	$0	$0			$0	
Dept 545.300-Water Plant - Capital Improvements								
	Repairs and Improvements	$968,815	$2,900,000	$1,200,000			$1,200,000	($1,200,000)
	Other	$980,161	$3,700,000	$2,400,000			$2,400,000	
Dept 900.100-Cost Allocation and Retiree Healthcare		$3,111,662	$5,600,242	$6,077,577			$6,077,577	
Dept 966.101-PILOT Payment		$1,130,000	$1,130,000	$1,130,000			$1,130,000	
Dept 966.493-Debt Service		$2,638,071	$2,638,071	$2,638,071			$2,638,071	
Dept 540.300-Capital Improvement								
	Repairs and Improvements	$0	$2,660,000	$2,660,000			$2,660,000	($2,660,000)
	Other	$0	$530,000	$530,000			$530,000	
Dept 233.100-Purchasing	Wages and Fringes	$63,263	$0	$29,313			$29,313	
Dept 253.202-Bad Debt Expense		$161,939	$0	$0			$0	

Dept 536.206-Utilities - Water Cross Connection Prog		$100,314	$109,945	$108,182		$108,182		
Dept 545.201-Water Plant Maintenance								
	Wages and Fringes	$1,063,567	$1,147,846	$1,127,386		$1,127,386		
	Repairs and Improvements	$8,142	$26,000	$26,000		$26,000		($26,000)
	Other	$420,048	$671,249	$689,000		$689,000		
591-536.100-990.200	KWA Operation Payment	$0	$584,000	$584,000		$584,000		
	Reserve	$0		$2,873,750		$2,873,750		($2,873,750)
Total Expenses		**$44,210,032**	**$37,767,035**	**$37,886,000**	**$20,265,692**	**$58,151,692**		**$48,576,942**

WATER FUND REVENUES

GL NUMBER	DESCRIPTION	2013-14 ACTIVITY	2014-15 AMENDED BUDGET	2015-16 APPROVED BUDGET	2015-16 BUDGET CHANGES FOR DWSD	STATUS QUO REVISED 2015-16 BUDGET WITH DWSD	Inc.	2015-16 BUDGET CHANGES WITH DWSD & ALL CAPITAL FUNDING ELIMINATED	Inc.
Revenues- Water Fund									
	Meter Water Sales	$42,132,946	$37,000,000	$37,000,000	$20,265,692	$57,265,692	55%	$48,576,942	31%
	Other Revenues	$1,589,155	$886,000	$886,000	$0	$886,000		$886,000	
	Asset Sale	$3,493,743	$0	$0	$0	$0		$0	
	Carry Over	$0	$3,263,505	$0	$0	$0		$0	
Total Revenues		**$47,215,844**	**$41,149,505**	**$37,886,000**	**$20,265,692**	**$58,151,692**		**$48,576,942**	

From: Green, Warren <[redacted]
Sent: Tuesday, March 24, 2015 9:47 AM
To: Hollins, Harvey (GOV)
Subject: Home Treatment Systems
Attachments: GE Softener.pdf; WB #900IF.pdf

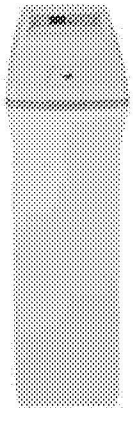
Harvey

The following information below is presented for your review and consideration per our previous discussion on home water treatment systems. The following products are available at Home Depot but equal products are also available at Loews and from Culligan. The installation cost estimates are based on several recent installations in my area. Install costs will be impacted by location conditions and will be site specific. Please note these systems require maintenance to meet the published water quality standards. If not properly maintained water quality issue will not be mitigated. Installation/O&M manual are both systems are attached.

Home Treatment Systems: Sized for typical 3-bedroom, two bath home.

For Iron Removal:
Water Boss Model #900IF – Available at Home Depot
The WaterBoss 900IF is a whole-house water treatment system designed for severe water conditions. The 900IF also reduces iron bacteria and up to 1 ppm of hydrogen sulfide.

- Handles up to 15 ppm of iron
- Regenerates with potassium permanganate **(Chemical not available at Home Depot)**
- Factory installed bypass
- 3/4 in. or 1 in. connections
- Safety shut-off system



- 3/10 Year limited warranty
- Treats flows up to 6 gpm.

Cost: Equipment $400
Installation $1000 **(Install cost will vary depending on numerous factors)**

For Softening and Iron removal:
GE Model # GXSH40V – Available at Home Depot
The GE 40,000-Grain Water Softener System features SmartSoft technology that monitors water usage and anticipates future demand so you don't run out of soft water. It has 125 grains per gallon maximum hardness-removal capacity and it also removes 10 PPM of iron. Handy features such as programmable operation, an alarm and indicator lights and a permanent memory offer reliable, hassle-free operation. This system has the capacity and convenience features that make it ideal for families of 4 or more.

- 40,200 Grain capacity
- Maximum hardness removal 125 gpg
- Maximum iron removal 10 ppm **(does not require potassium permanganate)**
- Efficiency (5100 gpg)- Salt Capacity (230 lbs)
- GE exclusive custom select blending valve, allows you to select how soft you want your water
- Self-cleaning sediment filter protects your home's plumbing
- Plumbing connection up to 1.25 in.
- Treats flows up to 9.5 gpm

Cost: Equipment $500
Installation $1000 **(Install cost will vary depending on numerous factors)**

Please advise if you have any questions or need additional information.

Kindest Regards

Warren

J. Warren Green, PE
Senior Associate, Director of Engineering

Lockwood, Andrews & Newnam, Inc.
A LEO A DALY COMPANY

One Oakbrook Terrace, 22nd Street and Butterfield Road, Suite 207 • Oakbrook Terrace, IL 60181
T 630.495.4123 **x** 6609 **D** 630.495.4199 **C** 630.918.2494
www.lan-inc.com • [redacted]

WaterBoss
water filters

GEAppliances.com

Water Softening System

Safety Information 2
Specifications and Dimensions 3
About the Softener 6
Before you Start 7
Installation Requirements 8-10
Installation Instructions 11-15
Programming the Softener 16-21
Care and Cleaning 22, 23
Routine Maintenance 24
Before you call for Service 25-28
Exploded View/Parts List 31-34
Warranty (U.S.) 35
Warranty (Canada) 36

Water Softening System

Owner's Manual & Installation Instructions

Models GXSH40V, GXSH45V

Write the model and serial numbers here:

Model # _____

Serial # _____

To find these numbers, lift the cover and look on the rim below the control panel.

Systems tested and certified by NSF International against NSF/ANSI Standard 44 for the chemical reduction claims specified on page 3, and certified to NSF/ANSI 372.

Systems Tested and Certified by the Water Quality Association against CSA B483.1.

If you have any questions or concerns when installing or maintaining your water softener, call our toll free number at **800-952-5039 (US)** or **866-777-7627 (Canada),** or visit **www.geappliances.com**. When you call, please be prepared to provide the model and serial number of your product. This information can be found on the rating decal located on the rim under the salt cover.

7329201 49-50283-6 06-14 GE

IMPORTANT SAFETY INFORMATION. READ ALL INSTRUCTIONS BEFORE USING.

SAFETY PRECAUTIONS

⚠ WARNING! *For your safety, the information in this manual must be followed to minimize the risk of electric shock, property damage or personal injury.*

⚠ DANGER:
Electric Shock Hazard:
Install metal ground clamp to metal house water supply pipe before beginning installation. Securely tighten connection in center of metal ground clamp. Failure to do so can result in death or electric shock.

- Check and comply with your state and local codes. You must follow these guidelines.
- Use care when handling the water softening system. Do not turn upside down, drop, drag or set on sharp protrusions.
- Water softening systems using sodium chloride (salt) for recharge add sodium to the water. Persons on sodium restricted diets should consider the added sodium as part of their overall intake. Potassium chloride can be used as an alternative to sodium chloride in your softener.
- Use only lead-free solder and flux for all sweat-solder connections, as required by state and federal codes.
- This water softening system must be properly installed and located in accordance with the installation instructions before it is used.
- Keep the salt hole cover in place on the softener unless servicing the unit or refilling with salt.

In the state of California: You must turn the Salt Efficiency Feature setting to ON. This may initiate more frequent recharges. However it will operate at 4,000 grains per pound of salt or higher. To turn on the Salt Efficiency Feature, follow the instructions in the "Salt Saver" section of this manual

⚠ WARNING: ***Do not*** use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

⚠ WARNING: Discard all unused parts and packaging material after installation. Small parts remaining after the installation could be a choke hazard.

- The water softening system works on 24 volt-60 Hz electrical power only. Be sure to use the included external power supply.
- External power supply must be plugged into an indoor 120 volt, grounded outlet only.
- Use clean water softening salts only, at least 99.5% pure. NUGGET, PELLET or coarse SOLAR salts are recommended. Do not use rock, block, granulated or ice cream making salts. These types of salts may contain dirt and sediments that might mush or cake, creating maintenance issues for the water softener.
- Avoid installing in direct sunlight. Excessive heat may cause distortion or other damage to non-metallic parts.
- If installing the water softener outdoors, do not locate where it will be exposed to wet weather, direct sunlight, extreme hot or cold temperatures, or other forms of abuse.

In the Commonwealth of Massachusetts, Plumbing Code 248 CMR shall be adhered to. Consult with your licensed plumber.

READ AND FOLLOW THIS SAFETY INFORMATION CAREFULLY.

SAVE THESE INSTRUCTIONS

Specifications and Performance Claims.

This model is efficiency rated. The efficiency rating is valid only at the minimum stated salt dose. The softener has a demand initiated regeneration (D.I.R) feature that complies with specific performance specifications intended to minimize the amount of regenerant brine and water used in its operation.

The softener has a rated salt efficiency of not less than 4,000 grains of total hardness exchange per pound of salt (based on sodium chloride), and shall not deliver more salt than its listed rating or be operated at a sustained maximum service flow rate greater than its listed rating. This softener has been proven to deliver soft water for at least ten continuous minutes at the rated service flow rate. The rated salt efficiency is measured by laboratory test described in NSF/ANSI Standard 44. These tests represent the maximum possible efficiency that the system can achieve. Operational efficiency is the actual efficiency after the system has been installed. It is typically less than the efficiency, due to individual application factors including water hardness, water usage, and other contaminants that reduce the softener's capacity.

Specifications		
Model	GXSH40V	GXSH45V
Rated Capacity* (Grains@ Salt Dose)	11,700 @ 2.3 lbs 31,500 @ 8.7 lbs. 40,000 @ 15.1 lbs.	13,200 @ 2.6 lbs 35,700 @ 9.9 lbs. 45,100 @ 17.0 lbs.
Rated Efficiency** (Grains/Pound of Salt @ Minimum Salt Dose)	5,100 @ 2.3 lbs.	5,090 @ 2.6 lbs.
Water used during Regeneration (gallons/grains)	2.7 /1000	2.8 /1000
Total Water Used per Regeneration @ Maximum Salt Dose	37.0 gallons	43.0 gallons
Amount of High Capacity Ion Exchange Resin (lb/cu.ft.)	57.56/1.11	65.0/1.25
Resin Tank Nominal Size (in., dia. x height)	9 x 40	10 x 40
Service Flow Rate (gpm)	9.5	9.5
Pressure Drop at Rated Service Flow (psig)	12.7	10.3
Water Supply Maximum Hardness (gpg)	110	160
Water Supply Maximum Clear Water Iron (ppm)***	8	10
Water Pressure Limits (minimum-maximum psi)****	20-125	20-125
Water Temperature Limits (minimum-max. °F)	40-120	40-120
Maximum Flow Rate to Drain (gpm)	2.3	2.3

These systems conform to NSF/ANSI 44 for the specific capacity claims as verified and substantiated by test data.

* Testing was performed using pellet grade sodium chloride as the regenerant salt.

** Efficiency rating is valid only at the lowest stated salt dosage. These softeners were efficiency rated according to NSF/ANSI 44.

*** Extent of iron removal may vary with conditions. The capacity to reduce clear water iron is substantiated by WQA test data. State of Wisconsin requires additional treatment if water supply contains greater than 5 ppm clear water iron. Refer to Cleaning Iron Out of the Water Softening System section.

**** Canada working pressure limits: 1.4-7.0 kg/cm².

Performance Claims		
Contaminant	**Influent Challenge Level**	**Maximum Allowable Product Water Level**
Barium	10 ±10% mg/L	2.0 mg/L
Radium 226/228	25 pCi/L	5pCi/L

Test parameters include: pH = 7.5±0.5, flow rate = 7.5 gpm and dynamic pressure = 35±5 psig

About the water softener system.

SERVICE

When the water softening system is providing soft water, it is called "Service." During service, hard water flows from the house main water pipe into the water softening system. Inside the water softening system resin tank is a bed made up of thousands of tiny, plastic resin beads. As hard water passes through the bed, each bead attracts and holds the hard minerals. This is called ion-exchanging. It is much like a magnet attracting and holding metals. Water without hard minerals (soft water) flows from the water softening system and to the house pipes.

After a period of time, the resin beads become coated with hard minerals and they have to be cleaned. This cleaning is called recharge. Recharge is started at 2:00 AM (factory setting) by the water softening system control, and consists of five stages or cycles. These are ***FILL, BRINING, BRINE RINSE, BACKWASH and FAST RINSE.***

AUTOMATIC HARD WATER BYPASS DURING RECHARGE

During recharge the water softener is automatically put in bypass mode allowing hard water to be available to the home. Once the softener is recharged water is directed back through the softener to be conditioned.

However, you should avoid using HOT water because the water heater will fill with the hard water.

FILL

Salt dissolved in water is called brine. Brine is needed to clean the hard minerals from resin beads. To make the brine, water flows into the salt storage area during the fill stage.

BRINING

During brining, brine travels from the salt storage area into the resin tank. Brine is the cleaning agent needed to remove hard minerals from the resin beads. The hard minerals and brine are discharged to the drain.

The nozzle and venturi create a suction to move the brine, maintaining a very slow rate to get the best resin cleaning with the least salt.

BRINE RINSE

After a pre-measured amount of brine is used, the brine valve closes. Water continues to flow in the same path as during brining, except for the discontinued brine flow. Hard minerals and brine flush from the resin tank to the drain.

BACKWASH

During backwash, water travels up through the resin tank at a fast flow rate, flushing accumulated iron, dirt and sediments from the resin bed and to the drain.

FAST RINSE

Backwash is followed by a fast flow of water down through the resin tank. The fast flow flushes brine from the bottom of the tank, and packs the resin bed.

After fast rinse, the water softening system returns to soft water service.

About the water softener system.

NORMAL OPERATION, CONTROL DISPLAYS

During normal operation, the present time of day and AM or PM and ***DAYS TO EMPTY*** show in the control display area.

The system will automatically recharge at the preset recharge time as needed.

FEATURE: OPTIONAL RECHARGE CONTROLS

Sometimes, a manually started recharge may be desired or needed. Two examples:

- You have used more water than usual (house guests, extra washing, etc.) and you may run out of soft water before the next recharge.
- The system ran out of salt.

Use one of the following features to start a recharge immediately, or at the next preset recharge start time.

RECHARGE TONIGHT

Touch (do not hold) the **RECHARGE** button. **RECHARGE TONIGHT** flashes in the control display area. A recharge will occur at the next preset recharge start time. If you decide to cancel this recharge, touch the same button once more.

RECHARGE NOW

Press and hold the **RECHARGE** button until **RECHARGE NOW** starts to flash in the control display area. The water softening system begins an immediate recharge and, when over in about two hours, you will have a new supply of soft water. Once started, you cannot cancel this recharge.

FEATURE: MEMORY

If electrical power to the water softening system is interrupted, the control display is blank, and the blue indicator light is off, but the control keeps correct time for 24 hours. When power is restored, you have to reset the present time only if the display and blue indicator light are flashing. All other settings are maintained and never require resetting unless a change is desired.

If the time is flashing after a long power outage, the water softening system continues to work as it should to provide you with soft water. However, recharge may occur at the wrong time of day until you reset the control to the correct time of day.

FEATURE/SERVICE: AUTOMATIC ELECTRONIC DIAGNOSIS

The control computer has a self-diagnostic function for the electrical system (except input power and water meter). The computer monitors the electronic components and circuits for correct operation. If a malfunction occurs, an error code appears in the control display.

WATER CONDITION INFORMATION

IRON

Iron in water can cause stains on clothing and plumbing fixtures. It can negatively affect the taste of food,drinking water, and other beverages. Iron in water is measured in parts per million (ppm). The total* ppm of iron, and type or types*, is determined by chemical analysis. Four different types of iron in water are:

- Ferrous (clear water) iron
- Ferric (red water) iron
- Bacterial and organically bound iron
- Colloidal and inorganically bound iron (ferrous or ferric)

Ferrous (clear water) iron is soluble and dissolves in water. This water softener will reduce moderate amounts of this type of iron (see specifications).**Ferrous (clear water) iron is usually detected by taking a sample of water in a clear bottle or glass. Immediately after taking, the sample is clear. As the water sample stands, it gradually clouds and turns slightly yellow or brown as air oxidizes the iron. This usually occurs in 15 to 30 minutes.

When using the softener to reduce Ferrous (clear water) iron, add 5 grains to the hardness setting fore very 1 ppm of Ferrous (clear water) iron. See "Set Water Hardness Number" section.

Ferric (red water), and bacterial and organically bound irons are insoluble. This water softener will not remove ferric or bacterial iron. This iron is visible immediately when drawn from a faucet because it has oxidized before reaching the home. It appears as small cloudy yellow, orange, or reddish suspended particles. After the water stands for a period of time,the particles settle to the bottom of the container. Generally these irons are removed from water by filtration. Chlorination is also recommended for bacterial iron.

Colloidal and inorganically bound iron is of ferric or ferrous form that will not filter or exchange out of water. This water softener will not remove colloidal iron. In some instances, treatment may improve colloidal iron water. Colloidal iron water usually has a yellow appearance when drawn. After standing for several hours, the color persists and the iron does not settle,but remains suspended in the water.

SEDIMENT

Sediment is fine, foreign material particles suspended in water. This water softener will not remove sediment. This material is most often clay or silt. Extreme amounts of sediment may give the water a cloudy appearance. A sediment filter installed upstream of the water softener normally corrects this situation.

* Water may contain one or more of the four types of iron and any combination of these. Total iron is the sum of the contents.

** Capacity to reduce clear water iron is substantiated by WQA test data.

CHLORINE

Softener resins may degrade in the presence of chlorine above 2 ppm. If you have chlorine in excess of this amount, you may experience reduced life of the resin. In these conditions, you may wish to consider purchasing a GE point-of-entry household filtration system with a chlorine reducing filter.

Before you start.

BEFORE YOU START

- The water softener requires a minimum water flow of 3 gallons per minute at the inlet. Maximum allowable inlet water pressure is 125 psi. If daytime pressure is over 80 psi, nighttime pressure may exceed the maximum. Use a pressure reducing valve if necessary (Adding a pressure reducing valve may reduce the flow). If your home is equipped with a back flow preventer, an expansion tank must be installed in accordance with local codes and laws.
- The water softener uses a direct plug-in external power supply (included). Be sure to use the included power supply and plug it into a nominal 120V, 60 cycle household outlet that is in a dry location only, grounded and properly protected by an over current device such as a circuit breaker or fuse.
- Do not use this system to treat water that is microbiologically unsafe or of unknown quality without adequate disinfection upstream or downstream of the system.

TOOLS AND MATERIALS REQUIRED FOR INSTALLATION

- Pliers
- Screwdriver
- Teflon tape
- Razor knife
- Two adjustable wrenches
- Additional tools may be required if modification to home plumbing is necessary.

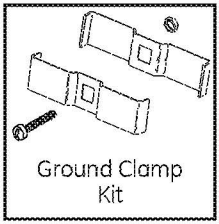
INSPECT SHIPMENT

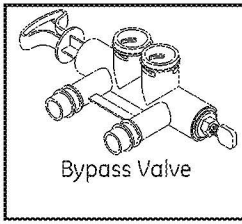
The parts required to assemble and install the water softener are included with the unit. Thoroughly check the water softener for possible shipping damage and parts loss. Also inspect and note any damage to the shipping carton.

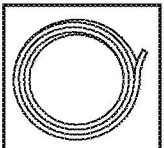
Remove and discard (or recycle) all packing materials. To avoid loss of small parts, we suggest you keep the small parts in the parts bag until you are ready to use them.

⚠ *WARNING!* *Discard all unused parts and packaging material after installation. Small parts remaining after the installation could be a choke hazard.*

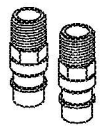
NOTE: Failure to comply with these installation instructions will void the product warranty, and the installer will be responsible for any service, repair or damages caused thereby.

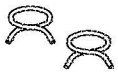

Ground Clamp Kit


Bypass Valve


12 ft. Drain Hose

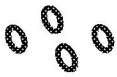
Clips


Installation Adaptors


Hose Clamps

Overflow Adapter

Grommet


O-rings

Silicone Grease

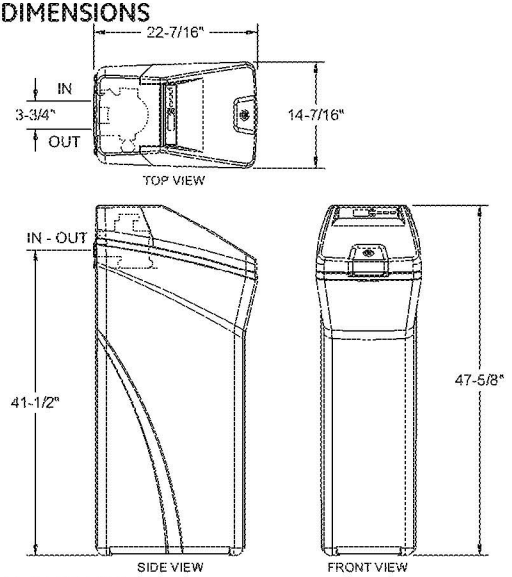
Installation Requirements.

LOCATION REQUIREMENTS

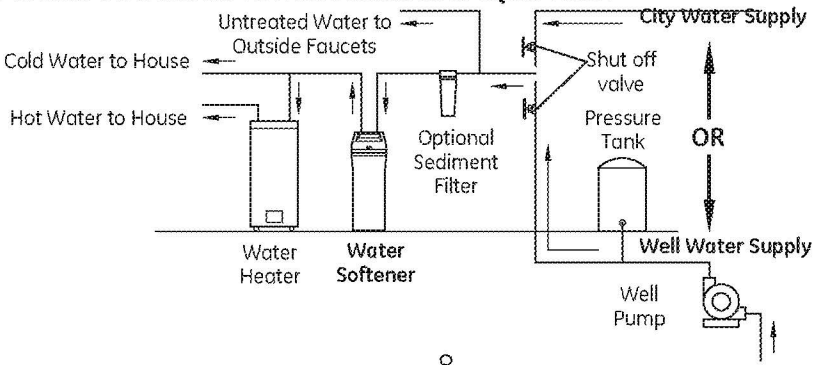
Consider all of the following when selecting an installation location for the water softener.

- Do not locate the water softener where freezing temperatures occur. Do not attempt to treat water over 120°F. **Freezing temperatures or hot water damage voids the warranty.**
- To condition all water in the home, install the water softener close to the water supply inlet, and upstream of all other plumbing connections, except outside water pipes. Outside faucets should remain on hard water to avoid wasting conditioned water and salt.
- A nearby drain is needed to carry away regeneration discharge (drain) water. Use a floor drain,laundry tub, sump, standpipe, or other options(check your local codes). See "Air Gap Requirements" and "Valve Drain Requirements"sections.
- The water softener uses a direct plug-in external power supply (included). Be sure to use the included power supply and plug it into a nominal 120V, 60 cycle household outlet that is in a dry location only, grounded and properly protected by an over current device such as a circuit breaker or fuse.
- Always install the water softener between the water inlet and water heater. Any other installed water conditioning equipment should be installed between the water inlet and water softener (See Figure below).
- If installing the water softener outdoors, do not locate where it will be exposed to wet weather, direct sunlight, extreme hot or cold temperatures, or other forms of abuse.
- **DO NOT RUN HOT WATER THROUGH THE SOFTENER.** Temperature of water passing through the softener must be less than 120° F.
- Avoid installing in direct sunlight. Excessive sun heat may cause distortion or other damage to non-metallic parts.
- When installing in an outside location you must take steps necessary to assure the softener, installation plumbing and wiring, are protected from the elements, direct sunlight, contaminantion, vandalism, insects, vermin, etc.
- Do not install the softener where it would block access to the water heater or access to the main water shutoff.

DIMENSIONS



PROPER ORDER TO INSTALL WATER TREATMENT EQUIPMENT



Installation Requirements.

PLUMBING CODES

All plumbing must be completed in accordance with national, state and local plumbing codes.

In the state of Massachusetts: The Commonwealth of Massachusetts plumbing code 248-CMR shall be adhered to. A licensed plumber shall be used for this installation.

AIR GAP REQUIREMENTS

A drain is needed for regeneration water (See Figure 1). A floor drain, close to the water softener, is preferred. A laundry tub, standpipe, etc. are other drain options. Secure valve drain hose in place. Leave an air gap of 1-1/2" between the end of the hose and the drain. This gap is needed to prevent back flow of sewer water into the water softener. Do not put the end of the drain hose into the drain.

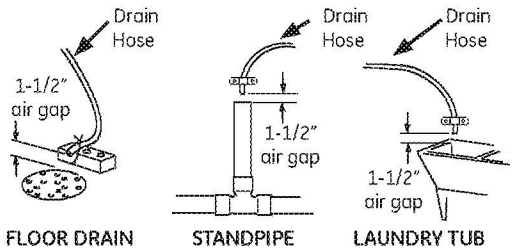


Figure 1

VALVE DRAIN REQUIREMENTS

Using the flexible drain hose (included) (see Figure 2), measure and cut to the length needed. Flexible drain hose is not allowed in all localities (check your plumbing codes). If local codes do not allow use of a flexible drain hose, a rigid valve drain run must be used. Purchase a compression fitting (1/4 NPT x 1/2 in. minimum tube) and 1/2" tubing from your local hardware store. Plumb a rigid drain as needed (See Figure 3).

NOTE: Avoid drain hose runs longer than 30 feet. Avoid elevating the hose more than 8 feet above the floor. Make the valve drain line as short and direct as possible.

FLEXIBLE DRAIN LINE

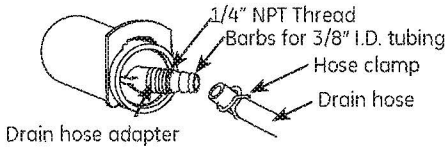


Figure 2

RIGID DRAIN LINE

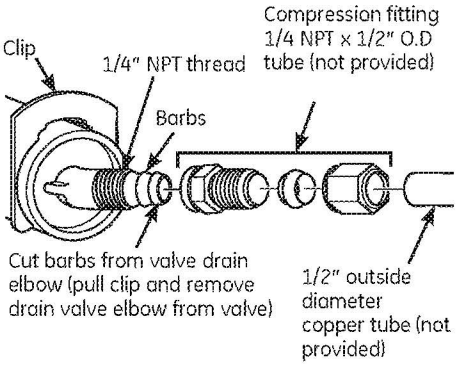


Figure 3

Installation Requirements.

INLET/OUTLET PLUMBING REQUIREMENTS

Always install either a single bypass valve (provided),as shown in Figure 4, or, if desired, parts for a 3 valve bypass system (not included) can be purchased and assembled, as shown in Figure 5. Bypass valves allow you to turn off water to the softener for maintenance if needed, but still have water in house pipes.

Pipe fittings must be 1/2" minimum.

Use:

- Copper pipe
- Threaded pipe
- PEX (Crosslinked Polyethylene) pipe
- CPVC plastic pipe
- Other pipe approved for use with potable water

IMPORTANT: Do not solder with plumbing attached to installation adaptors and single bypass valve. Soldering heat will damage the adaptors and valve.

SINGLE BYPASS VALVE

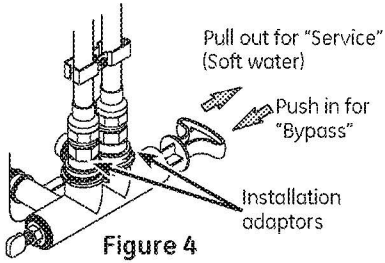


Figure 4

⚠ DANGER:

Electric Shock Hazard:

Install metal ground clamp to metal house water supply pipe before beginning installation. Securely tighten connection in center of metal ground clamp. Failure to do so can result in death or electric shock.

3-VALVE BYPASS SYSTEM

For soft water service: Open the inlet and outlet valves and close the bypass valve.

For bypass hard water: Close the inlet and outlet valves and open the bypass valve.

3 VALVE BYPASS

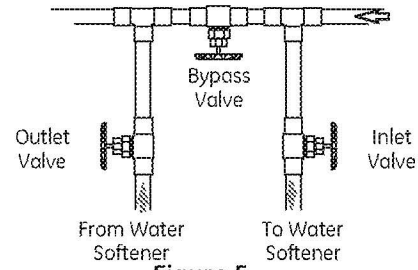


Figure 5

TYPICAL INSTALLATION

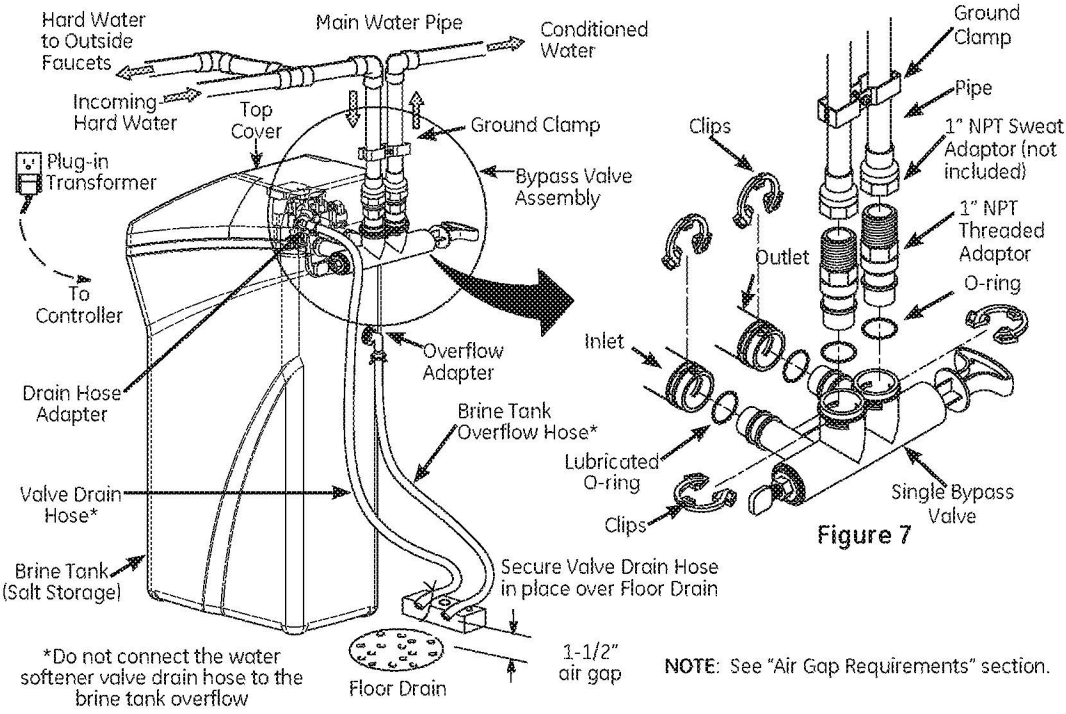


Figure 6

Figure 7

NOTE: See "Air Gap Requirements" section.

- Remove plastic shipping plug and wire from valve outlet.

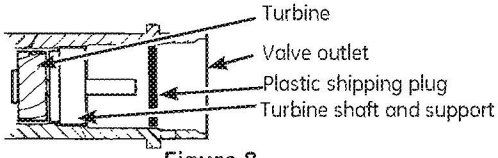


Figure 8

NOTE: Be sure the turbine and support are firmly in place in the valve outlet. Blow into the valve port and observe the turbine for free rotation.

TURN OFF WATER SUPPLY

1. Close the main water supply valve, located near the well pump or water meter.
2. Open all faucets to drain all water from house pipes.

NOTE: Be sure not to drain water from the water heater, as damage to the water heater elements could result.

INSTALL THE BRINE TANK OVERFLOW ADAPTER

Install the brine tank overflow grommet and adapter in the 13/16" diameter hole in the back of the salt storage tank sidewall, (see Figure 9).

NOTE: The brine tank overflow adapter accepts either 1/2" or 3/8" I.D. hose.

INSTALL THE BYPASS VALVE

NOTE: For easier installation, remove the top cover. Release 2 clips at rear of cover. Rotate cover forward and lift up.

1. Remove two clips from the water softener valve inlet and outlet ports and visually check and remove any debris, (see Figure 7).
2. Make sure the turbine assembly spins freely in the"out" port of the valve, see Figure 8.
3. If not already done, put a light coating of silicone grease (provided) on the single bypass valve o-rings, (see Figure 7).
4. Push the single bypass valve into the softener valve as far as it will go. Snap the two large holding clips into place, from the top down, (see Figure 7 and 10).

IMPORTANT: Be sure the clips snap firmly into place so the single bypass valve will not pull out.

MOVE THE WATER SOFTENER INTO PLACE

⚠ WARNING!

Excessive Weight Hazard

Use two or more people to move and install water Softener Failure to do so can result in back or other injury.

1. Move the water softener into the desired location. Set it on a solid, level surface.

IMPORTANT: Do not place shims directly under the salt storage tank to level the softener. The weight of the tank, when full of water and salt, may cause the tank to fracture at the shim.

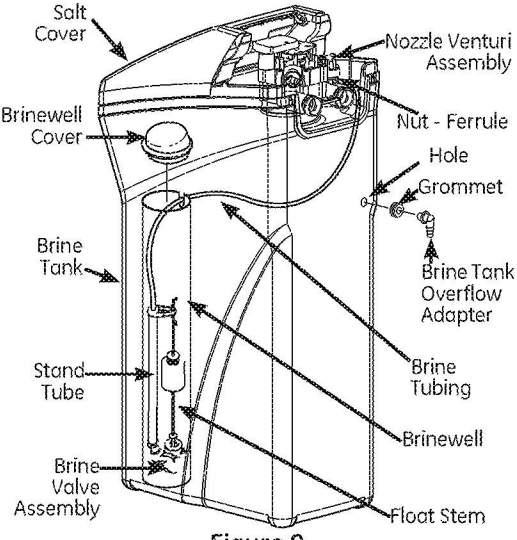
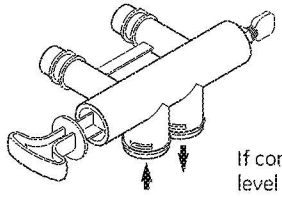


Figure 9

Note: *Unit is shown with top cover removed.*

SINGLE BYPASS VALVE



If connecting to floor level plumbing, install the bypass valve turned downward, as shown.

CORRECT ASSEMBLY

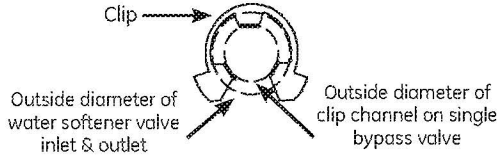


Figure 10

NOTE: Be sure all 3 tabs of the clip go through the matching holes on the water softener valve inlet or outlet, and fully into the channel on the single bypass valve. Make sure that the tabs are fully seated.

COMPLETE INLET AND OUTLET PLUMBING

⚠ WARNING!

ELECTRICAL SHOCK HAZARD:

Install metal ground clamp to metal house water supply pipe before beginning installation. Securely tighten connection in center of metal ground clamp. Failure to do so can result in death or electrical shock.

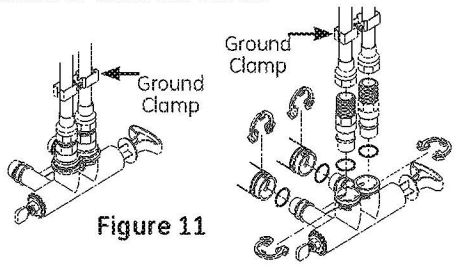


Figure 11

- Secure ground clamp to metal pipes.

Measure, cut, and loosely assemble pipe and fittings from the main water pipe to the inlet and outlet ports of the water softener valve. Be sure to keep fittings fully together, and pipes squared and straight. BE SURE INCOMING **HARD WATER** SUPPLY IS DIRECTED TO THE SOFTENER VALVE **INLET** PORT.

NOTE: Inlet and outlet are marked on the water softener valve. Trace the water flow direction to be sure hard water is to inlet.

IMPORTANT: Be sure to fit, align and support all plumbing to prevent putting stress on the water softener valve inlet and outlet. Stress from misaligned or unsupported plumbing may cause damage to the valve.

- If making a soldered copper installation, do all sweat soldering before connecting pipes to the NPT adapters and bypass valve. Torch heat will damage plastic parts.

⚠ WARNING!

If solder is used to make pipe connection use only lead free solder and flux to prevent lead poisoning.

- When turning threaded pipe fittings onto plastic fittings, use care not to cross-thread.
- Use Teflon Tape on all external pipe threads.

Complete the inlet and outlet plumbing for the type of pipe you will be using. Secure ground clamp to metal pipes.

INSTALL VALVE DRAIN HOSE

1. Measure and connect the 3/8"drain line (provided) to the water softener valve drain fitting. Use a hose clamp to hold the hose in place.

NOTE: Avoid drain hose runs longer than 30 feet. Avoid elevating the hose more than 8 feet above the floor. Make the valve drain line as short and direct as possible.

IMPORTANT: If codes require a rigid drain line see"Valve Drain requirements" section.

2. Route the drain hose or copper tubing to the floor drain or other suitable drain point. Secure drain hose. This will prevent "whipping" during regenerations. See "Air Gap Requirements" section (Figure 1).

3. Cut and secure the hose.

NOTE: The softener will not work if the water cannot exit the drain hose during recharge.

INSTALL BRINE TANK (SALT STORAGE) OVERFlOW HOSE

1. Measure, cut to needed length and connect the 3/8"drain line (provided) to the salt storage tank overflow elbow and secure in place with a hose clamp.

2. Route the hose to the floor drain, or other suitable drain point **no higher** than the drain fitting on the salt storage tank (This is a gravity drain). If the tank overfills with water, the excess water flows to the drain point. Cut the drain line to the desired length and route it neatly out of the way.

IMPORTANT: For proper operation of the water softener, do not connect the water softener valve drain tubing to the salt storage tank overflow hose.

TEST FOR LEAKS

To prevent air pressure in the water softener and plumbing system, complete the following steps in order:

1. Fully open two or more softened cold water faucets close to the water softener, located down stream from the water softener.
2. Place the bypass valve (single or 3 valve) into the"bypass" position (see Figures on Page 10).
3. Slowly open the main water supply valve. Run water until there is a steady flow from the opened faucets, with no air bubbles.
4. Place bypass valve(s) in "service" or soft water position as follows:
   - Single bypass valve (Figure 4): Slowly move the valve stem toward "service," pausing several times to allow the water softener to fill with water.
   - 3 valve bypass (Figure 5): Fully close the bypass valve and open the outlet valve. Slowly open the inlet valve, pausing several times to allow the water softener to fill with water.
5. After about three minutes, open a hot water faucet until there is a steady flow and there are no air bubbles, then close this faucet.
6. Close all cold water faucets and check for leaks at the plumbing connections that you made.
7. Check for leaks around clips at softener's inlet and outlet. If a leak occurs at a clip, depressurize the plumbing (turn off the water supply and open faucets) before removing clip. When removing clips at the softener's inlet or outlet, push the single bypass valve body toward the softener (See Figure 14). Improper removal may damage clips. Do not reinstall damaged clips.

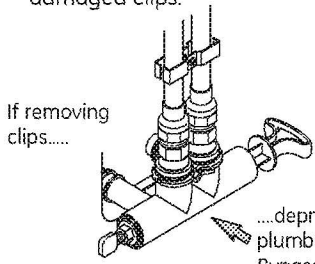


Figure 14

ADD WATER AND SALT TO THE SALT STORAGE TANK

WARNING!

EXCESSIVE WEIGHT HAZARD:

Use two or more people to move and lift salt bags. Failure to do so can result in back or other injuries.

1. Using a container, add about three gallons of clean water into the salt storage tank.
2. Add salt to the storage tank. Use nugget, pellet or coarse solar salts with less than 1% impurities.

PLUG IN THE WATER SOFTENER

1. Plug the water softener into an electrical outlet that is not controlled by a switch.
2. Replace the top cover.
3. Replace the salt hole cover.

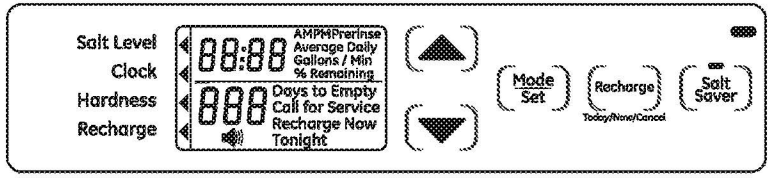
NOTE: The water heater is filled with hard water and,as hot water is used, it will refill with conditioned water. In a few days, the hot water will be fully conditioned. To have fully conditioned hot water immediately, wait until the initial recharge is over. Then, drain the water heater(following instructions for water heater) until water runs cold.

WARNING! *Discard all unused parts and packaging material after installation. Small parts remaining after the installation could be a choke hazard.*

SANITIZE THE WATER SOFTENER /SANITIZE AFTER SERVICE

1. Open salt hole cover, remove the brinewell cover and pour about 3 oz. (6 tablespoons) of household bleach into the softener brinewell. Replace the brinewell cover.
2. Make sure the bypass valve(s) is in the "service"(open) position.
3. Start a recharge (regeneration). See "Start a Recharge"on Page 18.
4. After the recharge has completed, fully open a cold water faucet, downstream from the softener, and allow 50 gallons of water to pass through the system. This should take at least 20 minutes. Close the faucet.

Programming the Water Softener.



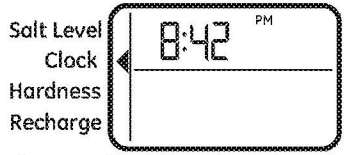
When the transformer is plugged into the electrical outlet, a model code and test number (example: J3.4 & H45) are shown in the display. Then, "12:00 PM" begins to flash. An arrow ◀ is displayed next to **CLOCK** on the face plate decal.

CONTROL OPERATION:

- **CONTROL SETTINGS REQUIRED** upon initial installation and after an extended power outage.
- Use the **MODE/SET** button to scroll arrow to desired control function set.
- After the mode is selected use the UP ▲ and DOWN ▼ buttons to change the settings of the control.
- Press the **MODE/SET** button to accept changes.
- A "beep" sounds while pressing buttons for control programming. One beep signals a change in the control display. Repeated beeps mean the control will not accept a change from the button you have pressed, and you should select another button.

SET TIME OF DAY

1. Press **MODE/SET** button until the arrow ◀ points to **CLOCK**.
2. Press the UP ▲ or DOWN ▼ buttons to set the present time. UP ▲ moves the display ahead; DOWN ▼ sets the time back. Be sure AM and PM is correct.



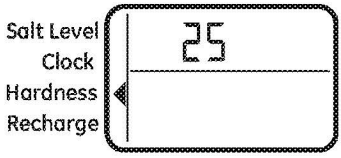
NOTE: Press buttons and quickly release to slowly advance the display one number at a time. Hold the buttons down for fast advance.

3. When the correct time is shown in the display, press **MODE/SET** to accept.

Programming the Water Softener.

SET WATER HARDNESS NUMBER

1. Press the **MODE/SET** button until the arrow ◀ points to **HARDNESS**. A flashing 25 will appear in the display.



2. Press the UP ▲ or DOWN ▼ buttons to set your water hardness number.

   NOTE: If your water supply contains iron, compensate for it by adding to the water hardness number. For example, assume your water is 20 gpg hard and contains 2 ppm iron. Add 5 to the hardness number for each 1 ppm or iron. In this example, you would use 30 for your hardness number.

   2 ppm iron x 5 = 10 (times)

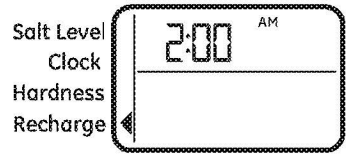
   20 gpg hardness
   +10
   30 HARDNESS NUMBER

3. When the display shows your water hardness (in grains per gallon), press **MODE/SET** to accept.

You can get the grains per gallon (gpg) hardness of your water supply from a water analysis laboratory. If you are on a municipal supply, call your local water department. Or call Legend Technical Services, an independent laboratory, to request a water hardness test kit at 1.800.949.8220, Option 4. If your report shows hardness in parts per million (ppm) or milligrams per liter (mg/l), simply divide by 17.1 to get the equivalent number of grains per gallon.

SET RECHARGE (STARTING) TIME

1. Press the **MODE/SET** button until the arrow ◀ points to **RECHARGE.**



NOTE: A flashing 2:00 AM (factory default) should show in the display. This is a good time for recharge to start (takes about 2 hours) in most households because water is not in use. HARD WATER is bypassed to house faucets during recharge.

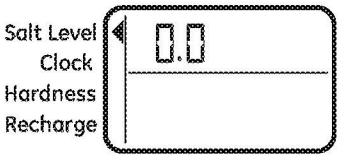
If no change is needed, go to step 3. To Change the recharge starting time, follow step 2.

2. Press UP ▲ or DOWN ▼ button to set the desired recharge start time. Be sure to observe the AM or PM as you did when setting the time of day.

3. Press the **MODE/SET** button to accept.

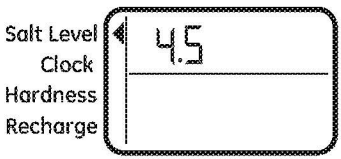
SET SALT LEVEL

1. Press the **MODE/SET** button until the arrow ◀ points to **SALT LEVEL.**



2. Determine level of salt in brine tank using the numbered scale on side of brine well, inside brine tank (see Figure 15).

3. Press UP ▲ or DOWN ▼ button to set the **SALT LEVEL** to correspond to level on the numbered scale in brine tank.



NOTE: Each press of a button changes the level by increments of 0.5 up to 8.0. Lowering the salt level below zero turns the **SALT LEVEL** indicator OFF.

4. Press the **MODE/SET** button to accept. The display shows the present time of day and **DAYS TO EMPTY.**

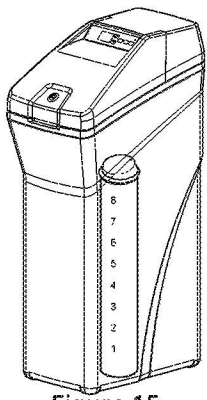
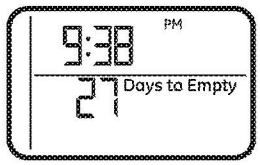
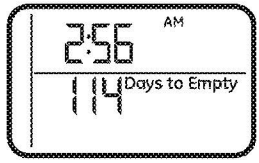


Figure 15



DAYS TO EMPTY

The words **DAYS TO EMPTY** and a number are shown in the lower half of the display. This information is shown in the normal run display. This is to inform the user of the number of days before the salt level in the brine tank reaches Level 0. There will be salt left in the salt tank, but it may not be sufficient to fully recharge the system. Salt should be added at this time to avoid hard water. The value is updated daily and whenever the **SALT LEVEL** value is changed.



NOTE: For the first several weeks of operation, the **DAYS TO EMPTY** may provide erratic operation. For example, the blue indicator light may flash, showing that more salt is required when the actual salt level in the tank is well above the Level 0. In some cases, the **DAYS TO EMPTY** may even increase over a several week period.

It takes a couple of months for the water softener to learn **your** water usage pattern. Once it does this, it will accurately determine actual salt usage pattern. During this first period, check salt level when blue indicator light flashes. If the salt level in the tank is at Level 1 or above, allow system to run. Be sure to reset your salt level indicator each time you add salt to the system.

START A RECHARGE

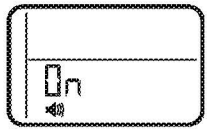
Press the **RECHARGE** button and hold for three seconds, until "RECHARGE NOW" begins to flash in the display, starting a recharge. This recharge draws the sanitizing bleach or brine into and through the water softener. Any air remaining in the water softener is purged to the drain. During this time periodically check for leaks.

NOTE: As with all other water system applications, leaks may occur. Leaks may not be immediately apparent. Recheck 24 hours after first recharge cycle is complete.

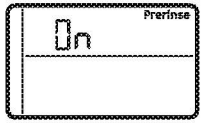
OPTIONAL CONTROL SETTINGS

The controller display has several options and features.

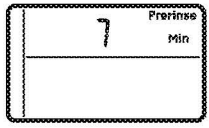
LOW SALT ALARM



The **LOW SALT ALARM**, when enabled, will sound the beeper when the **DAYS TO EMPTY** value is 15 days or less. To change this setting, press and hold the **MODE/SET** button for 3 seconds or hear a beep. ON (factory default) or OFF will flash in the display. Press the UP ▲ or DOWN ▼ buttons to toggle this feature ON or OFF. Press the **MODE/SET** button to accept, and the display will move to the PRERINSE ON/OFF screen. Press the UP ▲ or DOWN ▼ buttons to turn prerinse on or off.



PRERINSE



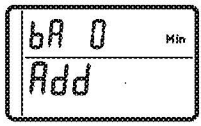
If your water contains sediment the prerinse feature will remove sediment from the resin bed prior to regeneration.

Press the **MODE/SET** button and the display will move to Prerinse Time mode. In this screen you can adjust the duration of the prerinse by pressing the UP ▲ or DOWN ▼ buttons. Press the **MODE/SET** button to accept, and the display will move to the Back Wash screen.

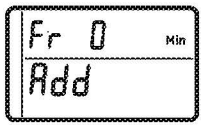
BACKWASH AND FAST RINSE

If you experience salty tasting water after regeneration, you may need to increase the backwash and fast rinse times. The cycle times during regenerations are determined by the softener's electronic controller. However, you may increase the backwash and fast rinse times. You may add up to 10 minutes.

For Backwash, you can add up to 10 minutes in 1 minute increments, by pressing the UP ▲ button, or subtract time by pressing the DOWN ▼ button.



For Fast Rinse, press **MODE/SET** and the display moves to the add fast rinse time screen. You can add up to 10 minutes in 1 minute increments, by pressing the UP ▲ button, or subtract time by pressing the DOWN ▼ button. Press the **MODE/SET** button to accept, and the display will move to the Run Display screen.



SALT SAVER

When this feature is ON, the water softener will operate at salt efficiencies of 4000 grains of hardness per pound of salt or higher (May recharge more often using smaller salt dosage and less water). The softener is shipped with this feature set OFF.

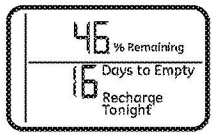
In the state of California: You must turn the Salt Saver Feature ON. This may initiate more frequent recharges. However, it will operate at 4,000 grains per pound of salt.

To turn Salt Saver ON: Press the Salt Saver button once until the blue status light above the button is ON.

FEATURE: OTHER DATA DISPLAY

These models have an option to have the run display indicate different information. The information displayed on the top half of the display can be changed to one of the following by pressing UP ▲ or DOWN ▼ buttons:

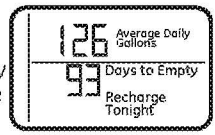
• CAPACITY REMAINING



- This is the percentage of water softening capacity remaining. Immediately after a regeneration, 100% shows. As water is used, the percentage will decrease until the next regeneration. During regenerations, the percentage increments upward.

When present time is displayed, press the DOWN ▼ button; **% Remaining** will appear in the display. The value shown is between 0 and 100 percent. This value is based on current operating capacity. Pressing the UP ▲ button will return the screen to the previous display.

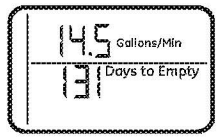
• AVERAGE DAILY GALLONS



- The figure displayed is the average gallons of water used by the household each day over the past seven-day period.

Press the DOWN ▼ button again to display the Average Daily Gallons. **Average Daily Gallons** will appear in the display. This value is updated every night at midnight. Pressing the UP ▲ button will return the screen to the previous display.

• FLOW RATE, GPM



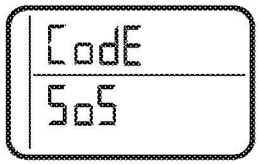
- When using soft water, this display shows the flow rate passing through the softener (in gallons per minute). Zero shows if water is not passing through the softener.

Press the DOWN ▼ button again to display the flow rate. **Gallons/Min** will appear in the display. This value is updated every ½ second. Pressing the UP ▲ button will return the screen to the previous display. Pressing the DOWN ▼ button will return the screen to the present time display.

RESETTING TO FACTORY DEFAULT

To reset the electronic controller to its factory default for all settings (time, hardness, etc.):

1. Press the **MODE/SET** button and hold until the display changes twice to show the flashing mode code.
2. Press the UP ▲ button to display a flashing "SoS".



3. Press the **MODE/SET** button and the electronic controller will restart.
4. Set the present time, hardness, etc, as described in the Programming the Water Softener section

Programming the Water Softener.

POWER OUTAGE MEMORY

If electrical power to the water softener is lost, "memory" built into the timer circuitry will keep all settings for up to 24 hours. While the power is out, the display is blank and the water softener will not regenerate. When electrical power is restored, the following will occur:

Reset the present time only if the display is flashing. The HARDNESS and RECHARGE TIME never require resetting unless a change is desired. Even if the clock is incorrect after a long power outage, the softener operates as it should to keep your water soft. However, regenerations may occur at the wrong time of day until you reset the clock to the correct time of day.

NOTE: If the water softener was regenerating when power was lost, it will now finish the cycle.

BLUE INDICATOR LIGHT

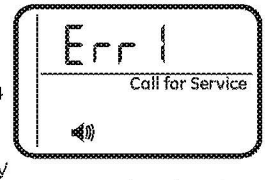
Steady blue light indicates that the unit is working correctly. The light flashes when the unit needs attention from the user.

- Light will also flash when power to until has been interrupted. Check the **PRESENT TIME** setting.
- Light flashes and **DAYS TO EMPTY** flashes - check salt level and add salt as required.
- Light flashes and **Err** is in the display - electrical problem with system.

LOW SALT SIGNAL

When the **DAYS TO EMPTY** drops to 15, the blue indicator light and **DAYS TO EMPTY** in the display will flash every second and the alarm will beep every 30 seconds (from 8:00 AM to 8:00 PM), to notify the user that the unit is running low on salt. As soon as any button is pressed, the alarm will stop beeping. The blue indicator light and **DAYS TO EMPTY** will continue to flash. Once salt is added to the brine tank and the **SALT LEVEL** is reset, the **DAYS TO EMPTY** will be reset.

ERROR SIGNALS



If there is an error code detected, the blue indicator light will flash 4 times every second, the display will flash **Err** and the alarm will beep every 30 seconds (from 8:00 AM to 8:00 PM) to signal that the softener requires service. The alarm can be turned off by pressing any button, but the blue indicator light and display will continue to flash.

Disconnect the transformer from the wall outlet momentarily, and plug it back in. The normal display will appear. The motor may run for several minutes, as the unit resets. If the problem is not corrected, the error code will reappear in 8 minutes. See the *Before you Call for Service* section to assist in troubleshooting the water softener.

ADJUSTING YOUR WATER HARDNESS

The blend adjusting knob (Figure 16) gives the ability to finely adjust hardness of the treated water leaving the water softener. If slightly harder water is desired than is normally delivered by the water softener, the blend adjusting knob can divert a small stream of hard water and blend it with the soft water entering the home. The amount of water diverted is controlled by turning a blend adjusting knob on the end cap of the valve stem.

NOTE: To get full performance from your water softener leave blending valve in the factory closed position.

To make adjustments to water hardness:

1. Hold bypass handle to keep the valve stem from rotating (see figure 16). Loosen hex nut on blend adjustment knob by turning the hex nut counterclockwise.
2. **TO INCREASE HARDNESS:** With the bypass in the service position (see figure 16) hold the handle to keep the valve stem from rotating and turn the blend adjusting knob counterclockwise up to 2 turns from the closed position. It is recommended that adjustments be made in quarter turn increments over several weeks until the desired hardness is achieved. ***NOTE:*** Once an adjustment is made to the blend valve knob the change in water hardness at the homes faucets or shower heads may take several days to be noticed. This delay is due to the large amounts of already conditioned water in the pipes and water heater that must be exchanged before a change in hardness can be noticed. Have the water tested to determine the actual water hardness.
3. **TO DECREASE HARDNESS:** With the bypass in the service position (see figure 16) hold the handle to keep the valve stem from rotating and turn the blend adjusting knob clockwise. When the knob will not turn anymore, hard water is no longer being blended into the soft water.
4. Once the desired hardness is achieved tighten the hex nut (see figure 16) clockwise until it comes in contact with the bypass stem.

NOTE: To meet the water softener performance specifications and reduction of barium and radium claims the adjustable hardness must be kept in the "OFF" position. The off position is achieved when the blend adjusting knob is fully rotated clockwise until it stops.

SERVICE POSITION
(Normal Softener Operation)

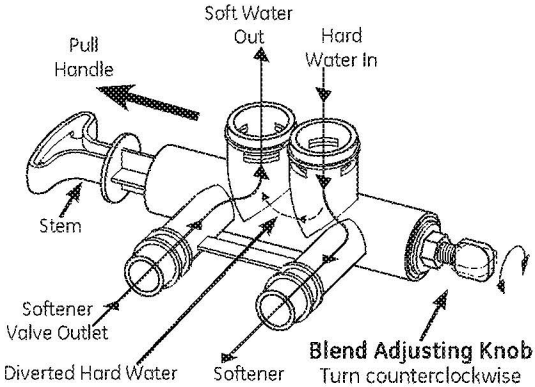


Figure 16

BYPASS POSITION

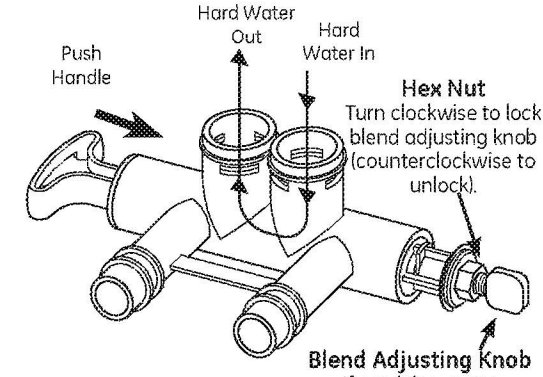


Figure 17

⚠CAUTION! If the water softener is to be serviced or disconnected from the bypass valve, the blend adjusting knob must be turned all the way clockwise to close the diversion path and prevent water leaking from the softener valve inlet of the bypass.

CHECKING THE SALT STORAGE LEVEL and REFILL

Brine (salt dissolved in water) is needed for each and every recharge. The water for making brine is metered into the salt storage area by the water softening system valve and control. ***However, you must keep the tank supplied with salt.***

ADDING SALT

Lift the salt hole cover and check the salt storage level frequently. If the water softener uses all the salt before you refill it, you will experience hard water. Until you have established a refilling routine, check the salt every two or three weeks. Always add if less than 1/4 full. Be sure the brinewell cover is on.

NOTE: If using potassium chloride (KCl), do not fill above level 4 on the brinewell decal.

NOTE: In humid areas, it is best to keep the salt storage level lower, and to refill more often to avoid salt "bridging".

Recommended Salt: Nugget, pellet or coarse solar salts with less than 1% impurities.

Salt Not Recommended: Rock salt, high in impurities, block, grandulated table, ice melting, ice cream making salts, etc.

⚠ *CAUTION:*

Water softening salt with iron removing additives:

Some salts may have an additive to help the water softening system handle iron in the water supply. Although this additive may help to keep the water softening system resin clean, it may also release corrosive fumes that weaken and shorten the life of some water softening system parts.

CLEANING IRON OUT OF THE WATER SOFTENING SYSTEM

Your water softening system takes hardness minerals (calcium and magnesium) out of the water. Also, it can control some (see the Specification Guidelines section) "clear water" iron. With clear water iron, water from a faucet is clear when first put into a glass. After 15 to 30 minutes, the water begins to cloud or turn rust colored. A water softening system ***will not*** remove any iron that makes the water cloudy or rusty as it comes from the faucet (called red water iron). To take red water iron out of water, or over the maximum of clear water iron, an iron filter or other equipment is needed.

GE recommends using ***Super Iron Out®*** to clean your resin bed if your iron content is high. Use ***Super Iron Out®*** with every 40lb. bag of salt as preventative maintenance against rust build up. Clean the bed at least every six months, or more often if iron appears in the soft water between cleanings.

IMPORTANT: It is important to mix the resin bed cleaner with water (following the manufacturer's instructions), pour it into the ***brinewell*** (see Figure 9) and recharge the softener immediately. Do not pour the resin bed cleaner in with the salt, as it will not be as effective in cleaning the resin, and can cause damage to the softener if it is left in the brine tank for an extended period due to the corrosive gases that are formed.

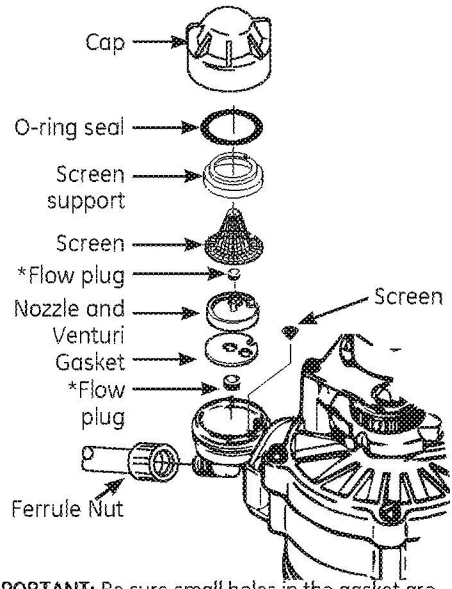
CLEANING THE NOZZLE AND VENTURI ASSEMBLY

A clean nozzle and venturi is needed for the water softening system to work properly. This small unit makes the suction to move brine from the salt storage area to the resin tank during recharge. If it becomes plugged with sand, dirt, etc., the water softening system will not work and you will get hard water.

To get to the nozzle and venturi, remove the water softening system top cover. Be sure the water softening system is in service cycle (no water pressure at nozzle and venturi). Then, while holding the nozzle and venturi housing with one hand, remove the cap. Lift out the screen support and screen, then the nozzle and venturi. Wash and rinse the parts in warm water until clean. If needed, use a small brush to remove iron or dirt. Also check and clean the gasket.

NOTE: Some models have a small flow plug located in the nozzle and venturi, and/or a small cone shaped screen in the housing. Be sure to check and clean these parts, if your model is so equipped.

Carefully replace all parts in the correct order. Lightly lubricate the o-ring seal with clean silicone grease or petroleum jelly and place in position. ***Install and tighten the cap, by hand only. Do not overtighten the cap.***



IMPORTANT: Be sure small holes in the gasket are centered directly over the small holes in the nozzle and venturi housing.

*Install with numbered side up, concave side down.

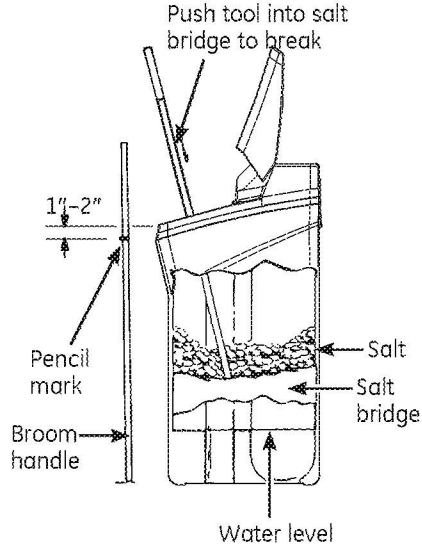
BREAKING A SALT BRIDGE

Sometimes, a hard crust or salt bridge forms in the salt storage area. It is usually caused by high humidity or the wrong kind of salt. When the salt bridges, an empty space forms between the water and salt. Then salt will not dissolve in the water to make brine.

If the brine tank is full of salt, it is hard to tell if you have a salt bridge. Salt is loose on top, but the bridge is under it. The following is the best way to check for a salt bridge.

Salt should be loose all the way to the bottom of the tank. Take a broom handle or like tool, and carefully push it down into the salt, working it up and down. If the tool strikes a hard object (be sure it's not the bottom or sides of the tank), it's most likely a salt bridge. Carefully break the bridge with the tool. ***Do not*** pound on the walls of the tank. To help dissolve the salt bridge pour one gallon of warm water (not hot) into the tank.

If the wrong kind of salt made the bridge, take it out. Then fill the tank with nugget or pellet salt only. In humid areas, it is best to fill with less salt, more often to prevent a salt bridge from forming.



Before you call for service.

Troubleshooting Tips
Save time and money! Review the chart on this page first and you may not need to call for service.

NO SOFT WATER – Most Common Problems:

Check the following before calling for service:

- Not enough salt—should be at least 1/3 full.
- Bypass valve in "Bypass" position—handle should be in the "OUT" (service) position.
- Hardness setting too low. Check hardness setting and adjust. Verify hardness of supply water—from local water company, water test or call the GE Answer Center (800-952-5039 in US).
- Salt Bridge—salt solidifies above water level so that brine water is not in contact with salt. See the Breaking a Salt Bridge section.

Problem	*Possible Cause*	*What to do*
No soft water	**Faucet or fixture where sample was taken not plumbed to soft water.** *NOTE: Be sure sample is from a faucet that does not mix soft and hard water. For example, a single lever kitchen faucet, if the cold side is plumbed to hard water.*	• To conserve salt, the installer may have isolated some fixtures (outside faucets, toilets, etc.) from soft water. From the outlet of the water softening system, trace the water flow path, in house plumbing. If soft water is not directed to a faucet or fixture where wanted, consult a plumber.
	No salt in the brine tank or salt bridged	• Check for a salt bridge or, if the tank is empty, refill with recommended salt. Press (for 3 seconds) the RECHARGE button to start an immediate recharge and restore soft water supply.
	External power supply unplugged at wall outlet or power cable to softener not connected. Fuse blown or circuit breaker popped on circuit to electrical outlet. Electrical outlet on a circuit that can continuously be switched off	• Check for a loss of electrical power to the water softening system, due to any of these conditions and correct as needed. With the power supply restored, observe the faceplate time display and read Programming the Control section. NOTE: the electrical outlet for the softener should be live so it cannot be accidentally switched off.
	Manual bypass valve in bypass position	• Be sure the bypass valve stem is positioned properly, with the handle in the OUT position.
	Blending valve in open position	• Turn blending valve clockwise to closed position.
	Valve drain hose pinched, plugged, elevated too high or otherwise restricted	• Any restriction in the drain hose may prevent proper operation of the nozzle and venturi and reduce or prevent brine draw during recharge..
	Nozzle and venturi dirty, incorrectly assembled or damaged	• Refer to Cleaning the Nozzle and Venturi Assembly instructions. With water pressure to the water softening system off, take the nozzle assembly apart. Inspect, clean and replace as needed. Any foreign particle(s), scratches, nicks, etc. in the passages can prevent operation. Be sure holes in the gasket are centred over holes in the housing.

Before you call for service.

Problem	Possible Cause	What to do
Water hard some times	**Using hot water while the water softening system is regenerating**	• Avoid using hot water during water softening system recharge because the water heater will refill with hard water. See Automatic Hard Water Bypass During Recharge section.
	Control HARDNESS number setting too low	• Press MODE/SET button until arrow points to HARDNESS. Be sure the number shown is the same as the actual grains per gallon hardness of your water supply. See Programming the Control section if a change in setting is needed.
	Grains of hardness in your water supply have increased	• Water hardness can change over time, especially in well water. To check, have the water tested by a water analysis laboratory or call your local water department. Adjust the Hardness number setting as needed.
Water feels slippery after installation of water softener	**Absence of hardness minerals**	• This is normal. Hardness in water gives it the abrasive feel you may have been accustomed to. The slippery feel is the clean feel of soft water. • See the *Adjusting your Water Hardness* section.
Water Softener not using any salt	**Water softening system is a "demand" unit**	• Does not use much salt to regenerate - very efficient.
	Possible salt bridge	• See the *Breaking a Salt Bridge section.*
	Possible plugged nozzle and venturi	• See the *Cleaning the Nozzle and Venturi Assembly section.*
Water is blue color after water softener was installed	**Acidic water in copper plumbing**	• Have the water tested at once.
Water softener not regenerating	**Meter turbine stuck**	• See the Manually Initiated Electronics Diagnostics section for troubleshooting procedures . • Call for service.
	Sensor wire not plugged into the control	• See the Manually Initiated Electronics Diagnostics section for troubleshooting procedures . • Call for service
	No power to unit	• Check the circuit breaker or fuses.
	Mechanical defect	• Call for service.
Cloudiness on glassware (automatic dishwashers)	**Combination of soft water and too much detergent**	• This is called etching and is permanent. To prevent this from happening, use less detergent if you have soft water. Wash glassware in the shortest cycle that will get them clean..

Before you call for service.

Problem	Possible Cause	What to do
Excessive/high level of water in brine tank	**Valve drain hose pinched, plugged, elevated too high or otherwise restricted**	• A restriction in this drain hose may prevent proper operation of the nozzle and venturi and reduce or prevent brine draw during recharge.
	Nozzle and venturi dirty, incorrectly assembled or damaged.	• Refer to Cleaning the Nozzle and Venturi Assembly instructions. With water pressure to the water softening system off, take the nozzle assembly apart. Inspect, clean and replace as needed. Any foreign particle(s), scratches, nicks, etc. in the passages can prevent operation. Be sure holes in the gasket are centred over holes in the housing
Salty tasting or brown/yellow colored water after installation	**Unit not sanitized**	• Complete Sanitization Procedures. • At completion of recharge cycle (approx. 2 hours), run water from faucets to purge the salty water.
	Low water pressure	Check pressure: • Drain height 8' or less, pressure should be minimum 20 psi. • Drain height above 8', pressure should be minimum 50 psi.
	Restricted drain hose	• Clean and reconnect hose. • Check for kinks in drain line
Brown/yellow colored water	**Unit was idle for a period of time**	• Complete the Sanitization Procedures.
Resin beads showing up in drinking water	**Cracked distributor**	• Check softener "IN & OUT" plumbing is correct. • Call for service.
Sounds you might hear	**Running water from the unit into a drain during recharge**	• This is normal.
Water has air bubbles and is cloudy	**Air in system after installation**	• Will go away after it runs for a while.
Blue light Flashing		
When power applied to the system	**Control needs to be programmed (a power outage may have occurred)**	• See the Programming the Control section.
If "DAYS TO EMPTY" is flashing	**Low salt level, less than 15 days**	• Fill with salt. • Reset salt level.

Before you call for service.

Problem	Possible Cause	What to do
Error Codes on Control	Wiring may have worked loose in the control	• Unplug external power supply. • Remove control cover, release clips on side. • Check for loose/incorrect wiring connections to electronic board or switch. Reconnect as required. • Reassemble control cover. • Plug in Transformer. • Wait 8 minutes for Error Code to reappear. • If error Code reappears, call for service.
If "Err" in display	Electrical problem with system	• Call for service.

Advanced troubleshooting for service.

AUTOMATIC ELECTRONIC DIAGNOSTICS

This water softener has a self-diagnostic function for the electrical system (except into power and/ or water meter). The water softener monitors electronic components and circuits for correct operation. If a malfunction occurs, an error code appears in the display.

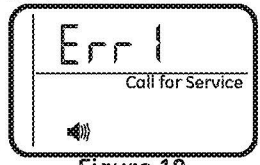


Figure 18

While an error code appears in the display, all buttons are inoperable except the *MODE/SET* button. *MODE/SET* remains operational so the service person can perform the Manual Advanced Diagnostics, see below, to further isolate the problem.

Procedure for removing error code from display:

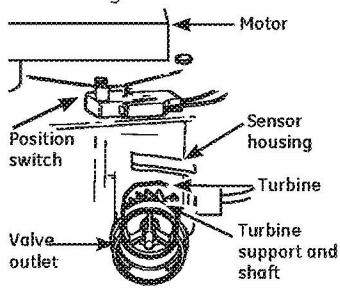
1. Unplug transformer from electrical outlet.
2. Correct problem.
3. Plug in transformer.
4. Wait 8 minutes. The error code will return if the problem was not corrected.

MANUAL INITIATED ELECTRONIC DIAGNOSTICS

Use the following procedures to advance the water softener through the regeneration cycles to check operation.

Lift off the Salt Hole Cover, remove the top cover by unlocking the tabs in the back and rocking forward, to observe cam and switch operation during valve rotation.

1. Press and hold *MODE/SET* for 3 seconds until the Set low salt alarm display appears, next press the *MODE/SET* button five addition times until "000" shows in the display, then release, see Figure 19.
2. The 3 digits indicated water meter operation as follows: If you don't get a reading on the display, with faucet open, pull the sensor from the valve outlet port. Pass a small magnet back and forth in front of the sensor. You should get a reading in the display. If you get a reading, shut off water supply, unhook the in and out plumbing and check the turbine for binding.



3. Symbols in the display indicate POSITION switch operation, see Figure 19

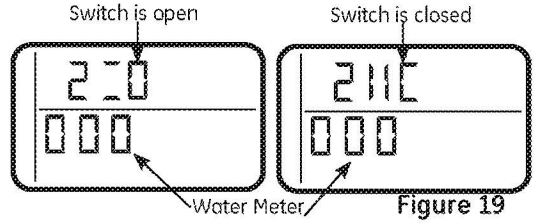


Figure 19

4. Use *RECHARGE* button to manually advance the valve into each cycle and check correct switch operation. *NOTE: Be sure water is in contact with salt, and not separated by a salt bridge (see Breaking a Salt Bridge section).*
5. While in this diagnostic screen, the following information is available and may be beneficial for various reasons. This information is retained by the computer from the first time electrical power is applied to the electronic controller.
   a. Press the ▲ UP button to display the number of days this electronic control has had electrical power applied.
   b. Press the ▼ DOWN button to display the number of regenerations initiated by the electronic control since the code number was entered.
6. Press and hold the *MODE/SET* button until the mode code (H40 for GXSH40V or H45 for GXSH45V) shows in the display. This code identifies the softener mode. If an incorrect model code is displayed, the softener will operate on incorrect configurations data.

7. To change the code number, press the ▲ UP or ▼ DOWN button until the correct code shows.
8. To return to the present time display, press the *MODE/SET* button.
9. Press the *MODE/SET* button to return to the present time display. If the code was changed, make all the timer setting. *NOTE: If the control is left in a diagnostic display or a flashing display when setting times or hardness, present time automatically returns if a button is not pressed within four minutes.*

Service: Manually Advance Recharge Check

NOTE: The control display must show a steady time (not flashing).

1. Press the *RECHARGE* button and hold in for three seconds. *RECHARGE* begins to flash as the water softening system enters the fill cycle of recharge. Remove the brinewell cover and, using a flashlight, observe fill water entering the brine tank. If water does not enter the tank, look for an obstructed nozzle, venturi, fill flow plug or brine tubing. See Care and Cleaning of the Water Softener System section.
2. After observing fill, press the *RECHARGE* button to move the water softening system into brining. A slow flow of water to the drain will begin. Verify brine draw from the brine tank by shining a flashlight into the brinewell and observing a noticeable drop in the liquid level over an extended period of time (is to 20 minutes).

NOTE: Be sure a salt bridge is not preventing water from contacting salt. See Care and cleaning of the water softening system section.

If the water softening system does not draw brine, check:

- nozzle and/or venturi dirty or defective.
- defective nozzle and venturi seal.
- nozzle and venturi not seated properly on gasket.
- other inner valve defect (rotor seal, rotor and disc, wave washer, etc.).
- restricted drain (check drain fitting and hose).

NOTE: If water system pressure is low, an elevated drain hose may cause back pressure, stopping brine draw.

3. Again, press the *RECHARGE* button to move the water softening system into backwash. Look for a fast flow of water from the drain hose. A slow flow indicates a plugged top distributor, backwash flow plug or drain hose.
4. Press the *RECHARGE* button to move the water softening system into fast rinse. Again look for a fast drain flow. Allow the water softening system to rinse for a few minutes to flush out any brine that may remain in the resin tank from the brining cycle test.
5. To return the water softening system to service, press the *RECHARGE* button.

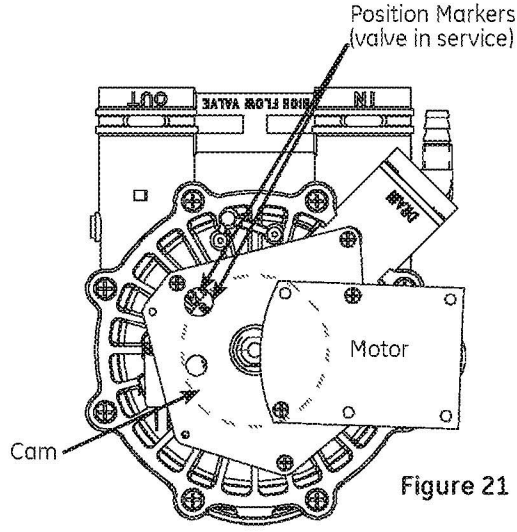
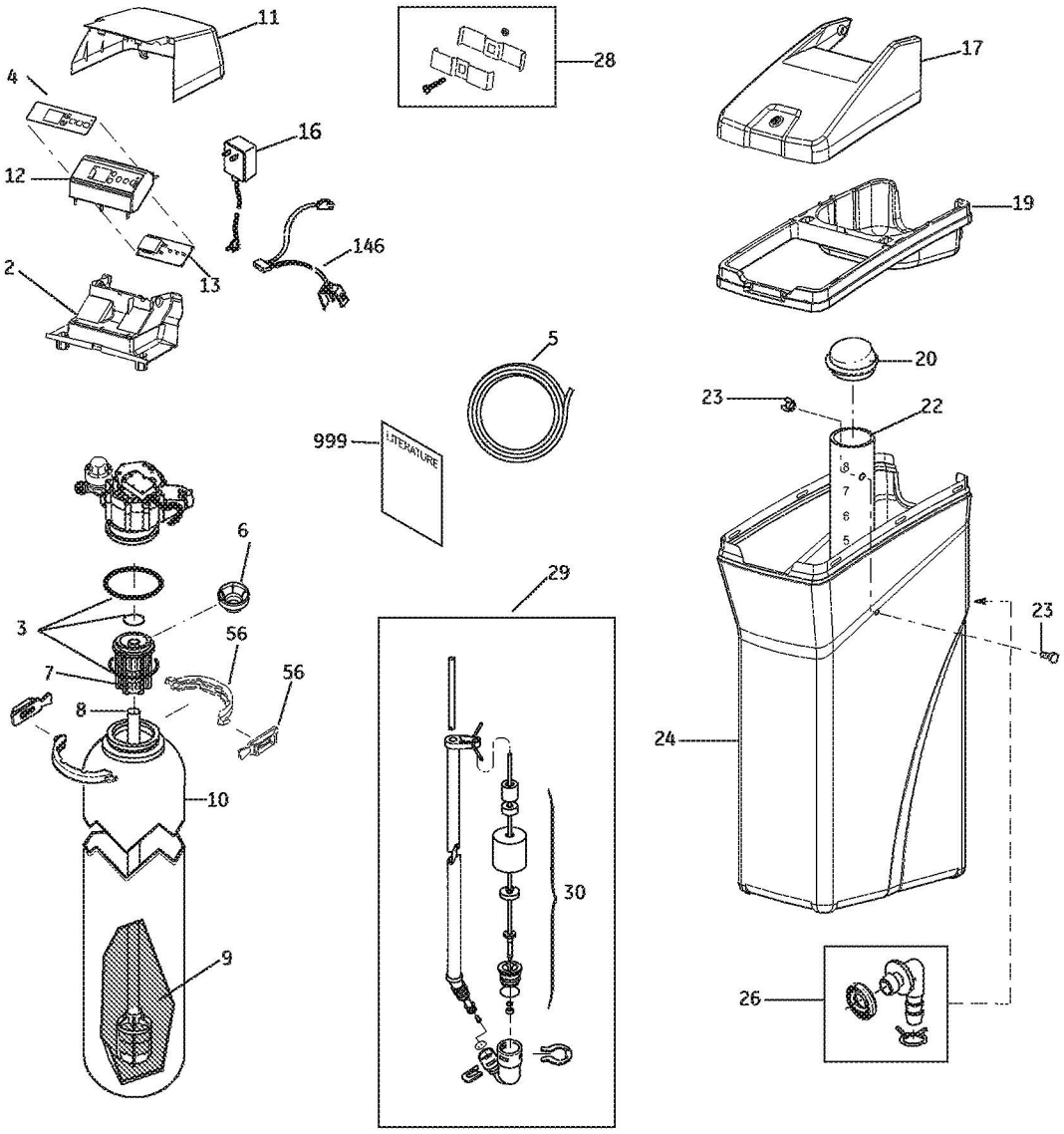


Figure 21

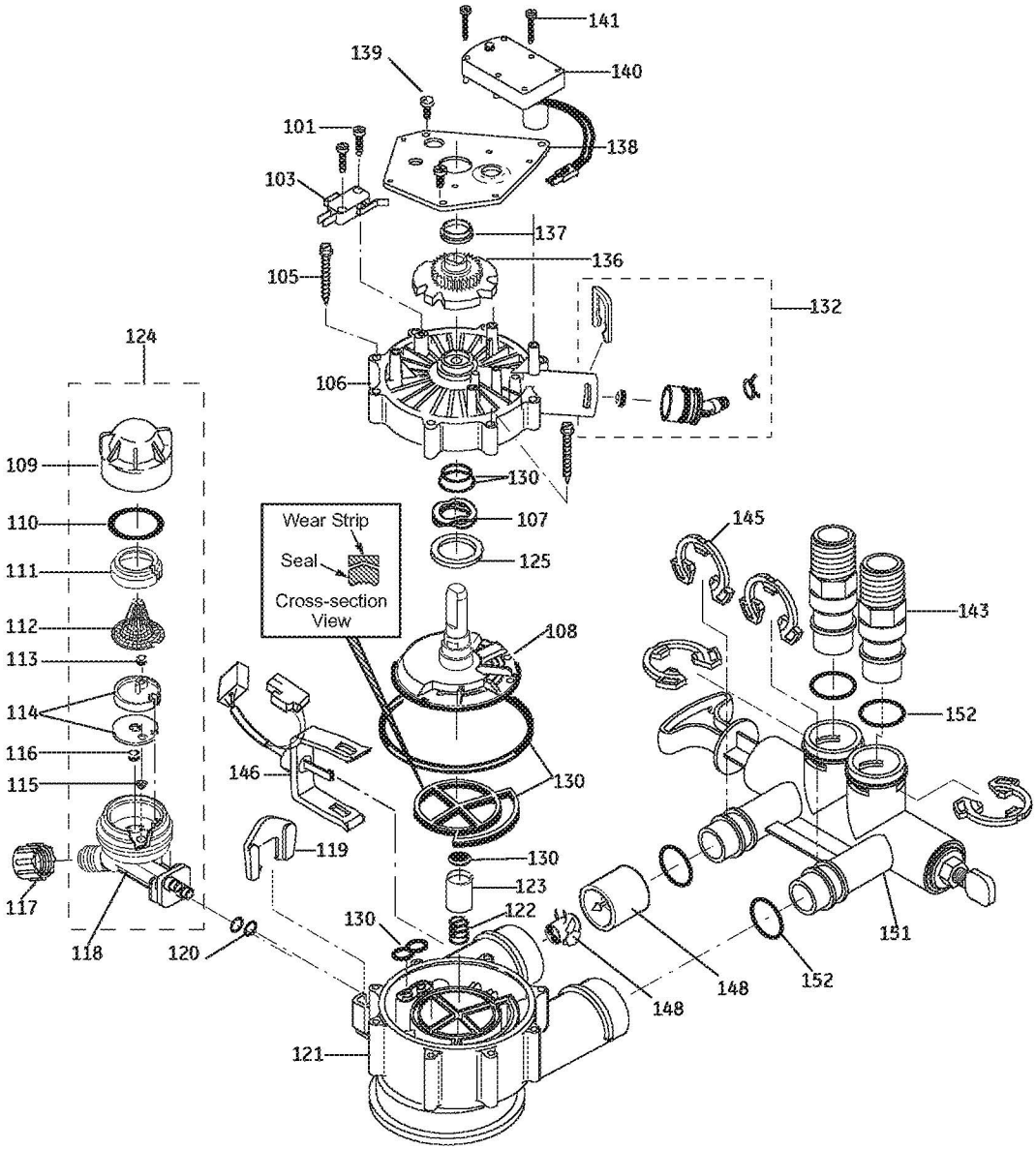
Valve Positions:

Position	Function
S	Service
F	Fill
BR	Brine Fill
BW	Back Wash
R	Rinse

Exploded View.



Exploded View.



Parts List.

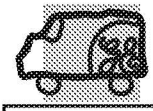
REF. NO.	GE PART NO.	PART DESCRIPTION	GXSH40V (00)	GXSH45V (00)
0002	WS31X10051	BACK COVER, ELECTRONICS	1	1
0003	WS35X10001	O-RING SEAL KIT	1	1
0004	WS34X10023	DECAL, FACEPLATE	1	1
0005	WS07X10004	HOSE, DRAIN, 20 FT.	1	1
0006	WS31X10044	FILTER SCREEN	1	1
0007	WS14X10002	DISTRIBUTOR, TOP	1	1
0008	WS14X10005	DISTRIBUTOR, BOTTOM	1	1
0009	WS01X10002	RESIN, 1-CU. FT.	1	1
0010	WS32X10011	TANK, RESIN 9X40	1	
0010	WS32X10018	TANK, RESIN 10X40		1
0011	WS31X10052	COVER, TOP	1	1
0012	WS34X10021	FACEPLATE	1	1
0013	WS21X10054	CONTROL	1	1
0016	WS26X10013	EXTERNAL POWER SUPPLY WITH POWER CORD	1	1
0017	WS31X10053	COVER, SALT HOLE, WITH LABELS	1	1
0019	WS33X10010	RIM	1	1
0020	WS31X10024	COVER, BRINEWELL	1	1
0022	WS34X10025	BRINEWELL	1	1
0023	WS02X10088	SCREW KIT, BRINE TANK	1	1
0024	WS32X10032	TANK, BRINE	1	1
0026	WS22X10063	OVERFLOW ADAPTER KIT	1	1
0028	WS35X10035	GROUND CLAMP KIT	1	1
0029	WS15X10077	BRINE VALVE ASM.	1	1
0030	WS35X10063	FLOAT, STEM & GUIDE	1	1
0056	WS28X10078	TANK NECK CLAMP KIT	1	1
0101	WS02X10023	SCREW, #4 - 24 X 34"	2	2
0103	WS21X10003	SWITCH	1	1
0105	WS02X10024	SCREW, #10 X 2 5/8"	8	8
0106	WS31X10013	COVER, VALVE	1	1
0107	WS03X10034	WASHER WAVE	1	1
0108	WS26X10010	ROTOR & DISC ASM.	1	1
0109	WS19X10010	CAP	1	1
0110	WS03X10011	SEAL, O-RING 1.125 X 1.37	1	1

Parts List.

REF. NO.	GE PART NO.	PART DESCRIPTION	GXSH40V (00)	GXSH45V (00)
0111	WS19X10005	SUPPORT SCREEN	1	1
0112	WS03X10013	SCREEN	1	1
0113	WS22X10036	FLOW PLUG, .15 GPM	1	1
0114	WS08X10008	GASKET, NOZZLE/VENT	1	1
0115	WS03X10073	CONE SCREEN	1	1
0116	WS22X10021	PLUG, FILL FLOW .30 GPM	1	1
0117	WS03X10017	NUT FERRULE	1	1
0118	WS15X10034	NOZZLE/VENTURI BODY	1	1
0119	WS03X10018	RETAINER	1	1
0120	WS03X10019	SEAL, O-RING 1/4" X 3/8"	2	2
0121	WS15X10025	BODY, VALVE	1	1
0122	WS03X10020	SPRING	1	1
0123	WS22X10029	PLUG, DRAIN SEAL	1	1
0124	WS15X10046	NOZZLE/VENTURI ASM.	1	1
0125	WS03X10043	WAVE SPRING BEARING	1	1
0130	WS35X10020	SEAL KIT	1	1
0132	WS22X10065	DRAIN HOSE ADAPTER KIT	1	1
0136	WS26X10008	CAM & GEAR	1	1
0137	WS26X10009	BEARING	1	1
0138	WS26X10023	PLATE, MOTOR	1	1
0139	WS02X10028	SCREW, #6-20 X 3/8"	3	3
0140	WS26X10021	MOTOR ASM.	1	1
0141	WS02X10058	SCREW, #8-32 X 1"	2	2
0143	WS60X10011	ADAPTER–NPT THREAD–1" VALVE	2	2
0145	WS60X10008	CLIP	4	4
0146	WS28X10018	HARNESS WIRE, SENSOR ASSY	1	1
0148	WS26X10030	TURBINE & SUPPORT ASSEMBLY*	1	1
0151	WS15X10078	BYPASS ASM.	1	1
0152	WS03X10072	SEAL, O-RING	4	4
0998	WS35X10065	INSTALLATION KIT	1	1
0999	49-50283-2	OWNER'S MANUAL	1	1

* Includes 2 each of REF. NO. 145 (CLIP) & REF. NO. 152 (O-RING)

GE Water Softening System Warranty. *(For Customers in the U.S.)*



All warranty service provided by our Factory Service Centers or an authorized technician. For service, call toll free 1-800-952-5039. Please have serial number and model number available when calling for service.

For The Period Of:	We Will Replace:
One Year *From the date of the original purchase*	***Any part*** of the Water Softening System which fails due to defect in materials or workmanship. During this ***limited one-year warranty***, GE will also provide, ***free of charge***, all labor and related service to replace the defective part.
Three Years *From the date of the original purchase*	***The electronic monitor,*** if it fails due to a defect in materials or workmanship. During this ***three-year limited warranty***, you will be responsible for any labor or related service cost.
Ten Years *From the date of the original purchase*	***A replacement resin tank***, if it fails due to defect in materials or workmanship. During this ***ten-year limited warranty***, you will be responsible for any labor or related service costs.

What Is Not Covered:

- Service trips to your home to teach you how to use the product.
- Improper installation, delivery or maintenance.
- Failure of the product if it is abused, misused, altered, used commercially or used for other than the intended purpose.
- Use of this product where water is microbiologically unsafe or of unknown quality, without adequate disinfection before or after the system.
- Replacement of house fuses or resetting of circuit breakers.
- Damage to the product caused by accident, fire, floods or acts of God.
- Incidental or consequential damage caused by possible defects with this appliance, its installation or repair.
- Product not accessible to provide required service.
- If this appliance is used for other than private family use, the parts, electronic monitor, and resin tank warranty applies for only 90 days from the date of purchase.

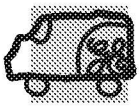
EXCLUSION OF IMPLIED WARRANTIES—Your sole and exclusive remedy is product repair as provided in this Limited Warranty. Any implied warranties, including the implied warranties of merchantability or fitness for a particular purpose, are limited to one year or the shortest period allowed by law.

This warranty is extended to the original purchaser for products purchased for home use within the USA. If the product is located in an area where service by a GE Authorized Servicer is not available, you may be responsible for a trip charge or you may be required to bring the product to an Authorized GE Service location for service. In Alaska, the warranty excludes the cost of shipping or service calls to your home.

Some states do not allow the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. To know what your legal rights are, consult your local or state consumer affairs office or your state's Attorney General.

Warrantor: General Electric Company. Louisville, KY 40225

GE Water Softening System Warranty. *(For Customers in Canada)*



All warranty service provided by our Factory Service Centers or an authorized technician. For service, call toll free 1-866-777-7627. Please have serial number and model number available when calling for service.

For The Period Of:	*We Will Replace:*
One Year *From the date of the original purchase*	***Any part*** of the Water Softening System which fails due to defect in materials or workmanship. During this ***limited one-year warranty***, GE will also provide, ***free of charge***, all labor and related service to replace the defective part.
Three Years *From the date of the original purchase*	***The electronic monitor,*** if it fails due to a defect in materials or workmanship. During this ***three-year limited warranty***, you will be responsible for any labor or related service cost.
Ten Years *From the date of the original purchase*	***A replacement resin tank***, if it fails fails due to defect in materials or workmanship. During this ***ten-year limited warranty***, you will be responsible for any labor or related service costs.

What Is Not Covered:

- Service trips to your home to teach you how to use the product.
- Improper installation, delivery or maintenance.
- Failure of the product if it is abused, misused, altered, used commercially or used for other than the intended purpose.
- Use of this product where water is microbiologically unsafe or of unknown quality, without adequate disinfection before or after the system.
- Replacement of house fuses or resetting of circuit breakers.
- Damage to the product caused by accident, fire, floods or acts of God.
- Incidental or consequential damage caused by possible defects with this appliance, its installation or repair.
- Product not accessible to provide required service.
- If this appliance is used for other than private family use, the parts, electronic monitor, and resin tank warranty applies for only 90 days from the date of purchase.

EXCLUSION OF IMPLIED WARRANTIES—Your sole and exclusive remedy is product repair as provided in this Limited Warranty. Any implied warranties, including the implied warranties of merchantability or fitness for a particular purpose, are limited to one year or the shortest period allowed by law.

This warranty is extended to the original purchaser for products purchased for home use within Canada. In-home warranty service will be provided in areas where it is available and deemed reasonable by Mabe to provide.

WARRANTOR IS NOT RESPONSIBLE FOR CONSEQUENTIAL DAMAGES.

Warrantor: MABE CANADA INC.

California certificate.

State of California
Department of Public Health

Water Treatment Device
Certificate Number
11 - 2108

Date Issued: September 16, 2011

Trademark/Model Designation
GXSH40V

Replacement Elements

Manufacturer: General Electric Company

The water treatment device(s) listed on this certificate have met the testing requirements pursuant to Section 116830 of the Health and Safety Code for the following health related contaminants:

Microbiological Contaminants and Turbidity

Inorganic/Radiological Contaminants
Barium
Radium

Organic Contaminants

Rated Service Capacity: n/a

Rated Service Flow: 9.5 gpm

Conditions of Certification:
Do not use with water that is microbiologically unsafe or of unknown quality, without adequate disinfection before or after the system.

FOR IOWA USE ONLY

All sales in Iowa require the following signature before consummation of sale. These signatures must be retained by seller/renter for 2 years minimum.

Buyer/Renter _____ Date _____

Seller _____ Date _____

Seller's Address _____

Seller's Phone No. _____

California certificate.

State of California
Department of Public Health

Water Treatment Device
Certificate Number
11 - 2109

Date Issued: September 16, 2011

Trademark/Model Designation
GXSH45V

Replacement Elements

Manufacturer: General Electric Company

The water treatment device(s) listed on this certificate have met the testing requirements pursuant to Section 116830 of the Health and Safety Code for the following health related contaminants:

Microbiological Contaminants and Turbidity

Inorganic/Radiological Contaminants
Barium
Radium

Organic Contaminants

Rated Service Capacity: n/a

Rated Service Flow: 0.5 gpm

Conditions of Certification:
Do not use with water that is microbiologically unsafe or of unknown quality, without adequate disinfection before or after the system.

Notes.

Notes.

Información sobre Seguridad 42
Especificaciones y Dimensiones 43
Acerca del Suavizante 46
Antes de Comenzar 47
Requisitos de Instalación 48-50
Instrucciones de Instalación 51-55
Programación del Suavizante 56-61
Cuidado y Limpieza 62, 63
Rutina de Mantenimiento 64
Antes de solicitar el servicio técnico 65-68
Vista Ampliada/ Listado de Piezas . 71-74
Garantía (EE.UU.) 75
Garantía (Canadá) 76

Sistemas evaluados y certificados por NSF International contra NSF/ANSI Estándar 44 para los reclamos sobre reducción de químicos especificados en la página 43, y certificados para NSF/ANSI 372.

Sistema probado y certificado por Water Quality Association en cumplimiento con CSA B483.1.

Ante cualquier duda o preocupación sobre la instalación y mantenimiento del suavizante de agua, comuníquese a nuestro número gratuito al **800-952-5039 (US)** o **866-777-7627 (Canadá)**, o visite **www.geappliances.com**. Al llamar, tenga a mano los números de modelo y de serie de su producto. Esta información se puede encontrar en la calcomanía de calificación ubicada en el borde debajo de la tapa de la sal.

INFORMACIÓN IMPORTANTE DE SEGURIDAD. LEA TODAS LAS INSTRUCCIONES ANTES DEL USO.

PRECAUCIONES DE SEGURIDAD

¡ADVERTENCIA! *Por su seguridad, se debe seguir la información en este manual con el fin de reducir el riesgo de una descarga eléctrica, daños a la propiedad o daños personales.*

PELIGRO:

Riesgo de Descarga Eléctrica:

Instale una clavija de metal con conexión a tierra a la tubería metálica del suministro de agua del hogar antes de comenzar la instalación. De forma segura, ajuste la conexión en el centro de la clavija metálica con conexión a tierra. Si no cumple con esto, se podrán producir descargas eléctricas o la muerte.

- Revise y cumpla con todos los códigos estatales y locales. Observe las pautas aquí presentadas.
- Tenga cuidado al manipular el sistema de descalcificación de agua. No lo voltee, deje caer, arrastre o coloque en protuberancias extremas.
- Los sistemas de descalcificación de agua que utilicen cloruro de sodio (sal) para la recarga agregan sodio al agua. Las personas que siguen dietas con restricciones de sodio deben considerar el sodio adicional como parte de su consumo general. El cloruro de potasio puede servir como una alternativa para el cloruro de sodio de su descalcificador.
- Use sólo soldaduras y fundiciones libres de plomo y para todas las conexiones con estaño, de acuerdo con lo requerido por los códigos estatales y federales.
- Este sistema suavizante de agua se deberá instalar y ubicar de acuerdo con las Instrucciones de Instalación antes de ser usado.
- Mantenga la tapa del orificio de la sal en su lugar en el descalcificador a menos que esté realizando mantenimiento o reponiendo la sal.

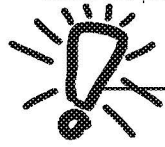
ADVERTENCIA: No usar con agua que no sea segura a nivel microbiológico o que sea de calidad desconocida sin una desinfección adecuada, antes o después, del sistema.

ADVERTENCIA: Descarte todas las piezas sin uso y materiales de embalaje luego de la instalación. Las pequeñas partes restantes luego de la instalación podrían ocasionar riesgo de obstrucción.

- El sistema de descalcificación de agua funciona solamente con 24 voltios-60 Hz. Cerciórese de usar exclusivamente el transformador incluido.
- El transformador se debe conectar únicamente a un tomacorriente interior con conexión a tierra de 120 voltios.
- Utilice únicamente sales para descalcificación del agua, al menos con 99,5% de pureza. Se recomiendan las sales en PEPITAS, BOLITAS o SAL GRUESA SOLAR. No utilice sales en roca, bloque, granuladas o sales para la elaboración de helados. Estos tipos de sales pueden contener suciedad y sedimentos que pueden empastar o apelmazar, creando problemas de mantenimiento para el ablandador de agua.
- Evite instalar directamente en contacto con la luz solar. El exceso de calor solar puede ocasionar distorsión y otros daños sobre partes no metálicas.
- Si el ablandador de agua es instalado al aire libre, no lo coloque en una ubicación donde esté expuesto a climas húmedos, en contacto directo con la luz solar, temperaturas extremas de calor o frío, u otras formas de abuso.

En el estado de California: Deberá colocar en ON (Encendido) la configuración de Salt Efficiency Feature (Función de Eficiencia de la Sal). Esto podrá iniciar recargas más frecuentes. Sin embargo, funcionará en 4,000 granos por libra de sal o más. Para encender la Función de Eficiencia de la Sal, siga las instrucciones en la sección "Ahorro de Sal" de este manual.

En el Commonwealth de Massachusetts, se deberá cumplir con el Código de Plomería 248 CMR. Consulte a un plomero matriculado.



LEA Y SIGA ESTA INFORMACIÓN DE SEGURIDAD CUIDADOSAMENTE.

GUARDE ESTAS INSTRUCCIONES

Reclamos por Especificaciones y Funcionamiento.

Este modelo cuenta con una calificación de eficiencia. El índice de eficiencia es válido sólo con la dosis de sal mínima indicada. El suavizante cuenta con la función de regeneración de demanda iniciada (demand initiated regeneration, D.I.R.), que cumple con las especificaciones de funcionamiento para minimizar la cantidad de salmuera regenerante y agua usada en esta operación.

El suavizante cuenta con una eficacia de la sal evaluada de no menos de 4,000 granos del total de intercambio de dureza por libra de sal (en base al cloruro de sodio), y no brindará más sal que la evaluada ni será operado en un índice de flujo de servicio máximo sostenido superior al evaluado. Se probó que este suavizante brinda agua suave durante por lo menos diez minutos en forma continua en el índice de flujo de servicio evaluado. La eficacia de la sal evaluada es medida por evaluaciones de laboratorio descriptas en el Estándar 44 de NSF/ANSI. Estas evaluaciones representan el máximo nivel de eficacia posible que el sistema puede alcanzar. La eficacia operativa es la eficacia real luego de que el sistema fue instalado. Es típicamente inferior a la eficacia, debido a los factores de aplicación individual que incluyen la dureza del agua, el uso del agua, y otros contaminantes que reducen la capacidad del suavizante.

Especificaciones		
Modelo	GXSH40V	GXSH45V
Capacidad Evaluada* (Granos por Dosis de Sal)	11,700 @ 2.3 lbs 31,500 @ 8.7 lbs. 40,000 @ 15.1 lbs.	13,200 @ 2.6 lbs 35,700 @ 9.9 lbs. 45,100 @ 17.0 lbs.
Eficacia Evaluada** (Granos/ Libras de Sal en Dosis de Sal Mínima)	5,100 @ 2.3 lbs.	5,090 @ 2.6 lbs.
Agua usada durante la Regeneración (galones/ granos)	2.7 /1000	2.8 /1000
Agua Total Usada por Regeneración en Dosis de Sal Mínima	37.0 gallons	43.0 gallons
Cantidad de Resina de Intercambio Iónico de Alta Capacidad (lb./ pies cúbicos).	57.56/1.11	65.0/1.25
Tamaño Nominal del Tanque de Resina (pulg., diám. x altura)	9 x 40	10 x 40
Índice de Flujo del Servicio (gpm)	9.5	9.5
Caída de Presión en Flujo del Servicio Evaluado (psig)	12.7	10.3
Dureza Máxima del Suministro de Agua (gpg)	110	160
Hierro Máximo en Agua Pura del Suministro de Agua (ppm)***	8	10
Límites de Presión del Agua (psi mínimo- máximo)****	20-125	20-125
Límites de Temperatura del Agua (mín.- máx.°F)	40-120	40-120
Índice de Flujo Máximo al Drenaje (gpm)	2.3	2.3

Estos sistemas cumplen con los reclamos de capacidad específica de NSF/ANSI 44, de acuerdo con los verificado y corroborado por datos de evaluaciones.

* La evaluación fue realizada utilizando cloruro de sodio con grados de bolitas de la sal regenerante.

** El índice de eficiencia es válido sólo con la dosis de sal mínima indicada. La eficacia de estos suavizantes fue evaluada de acuerdo con NSF/ ANSI 44.

*** La extension de la eliminación del hierro puede variar con las condiciones. La capacidad de reducir el hierro del agua pura es corroborada por datos evaluados de WQA. El Estado de Wisconsin requiere tratamientos adicionales si el suministro de agua contiene un nivel superior a 5 ppm de hierro en agua pura. Consulte la sección Limpieza del Hierro con el Sistema Suavizante de Agua.

**** Límites de presión en Canadá. 1.4-7.0 kg/cm2.

Reclamos de Funcionamiento		
Contaminante	Nivel de Desafío del Agua Prefiltrada	Nivel Máximo de Agua Permitida
Bario	10 ±10% mg/L	2.0 mg/L
Radio 226/228	25 pCi/L	5pCi/L

Los parámetros de la evaluación incluyen: pH = 7.5±0.5, índice de flujo = 7.5 gpm y presión dinámica = 35±5 psig

Sobre el sistema de descalcificación de agua.

SERVICIO

Cuando el sistema descalcificador de agua está proporcionando agua descalcificada, a esto se le llama "Servicio". Durante el servicio, el agua dura fluye desde la tubería de agua principal de la casa hacia el sistema de descalcificación de agua. En el interior del tanque de resina del sistema de descalcificación de agua hay una película o capa compuesta de miles de resinas plásticas diminutas. Cuando el agua dura pasa a través de la capa, cada resina diminuta atrapa los minerales duros. A esto se le llama intercambio de iones. Es como un imán que atrae y atrapa metales. Luego, el agua sin minerales duros (agua descalcificada o agua blanda) fluye hacia la casa desde el sistema de descalcificación.

Después de un período de tiempo, la capa de resina se obstruye o se satura con los minerales duros y debe limpiarse. Esta limpieza se denomina recarga. La recarga comienza a las 2:00 AM (ajustado en fábrica) por el control del sistema de descalcificación de agua, y consiste en cinco etapas o ciclos. Éstas son ***FILL (llenado), BRINING (proceso de salado), BRINE RINSE (enjuague salado), BACKWASH (lavado regresivo) y FAST RINSE (lavado rápido).***

CIRCUNVALACIÓN AUTOMÁTICA DEL AGUA DURA DURANTE LA RECARGA

Durante la recarga, el suavizante de agua se coloca automáticamente en el modo de tubo de desviación, permitiendo que el agua dura esté disponible en el hogar. Una vez que el suavizante es recargado, el agua es dirigida nuevamente a través del suavizante para sea acondicionada.

Sin embargo, se debe evitar el uso de agua CALIENTE debido a que el calentador de agua se llenará con el agua dura.

LLENADO

La sal disuelta en agua es llamada salmuera. La salmuera es necesaria para limpiar los minerales duros de las diminutas partículas de resina. Para formar la salmuera, el agua fluye hacia el interior del tanque de sal durante el período de llenado.

SALADO

Durante el proceso de salado, la salmuera se desplaza del área del tanque de almacenamiento de la sal hacia el tanque de la resina. La salmuera es el agente de limpieza necesario para remover los minerales duros de la capa de resina. Los minerales duros y la salmuera son descargados hacia el desagüe.

La boquilla y el Venturi crean una succión para mover la salmuera, manteniendo un ritmo muy bajo para obtener la resina de limpieza con la menor cantidad de sal.

ENJUAGUE DE SALMUERA

Después de que se use una cantidad de salmuera medida con anterioridad, la válvula de salmuera se cierra. El agua continúa fluyendo en la misma trayectoria que durante el proceso de salado, excepto por el flujo de salmuera discontinuado. Los minerales duros y la salmuera fluyen del tanque de resina hacia el desagüe.

LAVADO REGRESIVO

Durante el lavado regresivo, el agua viaja hacia arriba a través del tanque de resina a un flujo de ritmo rápido, purgando el hierro acumulado, la suciedad, y los sedimentos desde la capa de resina hacia el desagüe.

ENJUAGUE RÁPIDO

El lavado regresivo es seguido por un flujo de agua rápido hacia abajo a través del tanque de resina. El flujo rápido purga la salmuera del fondo del tanque, y rellena el tanque de resina.

A continuación del enjuague rápido, el sistema de descalcificación de agua regresa al servicio de agua descalcificada.

Sobre el sistema de descalcificación de agua.

FUNCIONAMIENTO NORMAL, PANTALLAS DE CONTROL

Durante el funcionamiento normal, la hora actual del día y AM o PM y DAYS TO EMPTY (DÍAS HASTA VACIARSE) aparecen en el área de la pantalla de control.

El sistema se recargará de forma automática en el tiempo de recarga presente, según sea necesario.

FUNCIÓN: CONTROLES OPCIONALES DE RECARGADO

A veces, es posible que usted desee o necesite una recarga iniciada manualmente. Dos ejemplos:

- Usted ha usado más agua que de costumbre (huéspedes en la casa, lavado adicional, etc.) y quizás se quede sin agua descalcificada antes de la próxima recarga.
- Se le acabó la sal al sistema.

Use una de las funciones siguientes para comenzar una recarga inmediatamente, o en el próximo inicio de recarga preprogramada.

RECARGAR ESTA NOCHE

Presione (sin mantener presionado) el botón ***RECHARGE (Recargar). RECHARGE TONIGHT (Recargar Esta Noche)*** titila en el área de la pantalla de control. Se realizará una recarga en el próximo tiempo de inicio de recarga presente. Si decide cancelar esta recarga, presione el mismo botón una vez más.

RECARGAR AHORA

Mantenga presionado el botón ***RECHARGE (Recargar)*** hasta que ***RECHARGE NOW (Recargar Ahora)*** comience a titilar en el área de la pantalla de control. El sistema suavizante de agua inicia una recarga de inmediato y, al finalizar en unas dos horas, contará con un nuevo suministro de agua suave. Una vez iniciada, ya no podrá cancelar esta recarga.

FUNCIÓN: MEMORIA

Si el suministro eléctrico del sistema de descalcificación de agua es interrumpido, la pantalla de control estará en blanco, y la luz indicadora azul se apaga, pero el control mantiene la hora correcta por seis horas aproximadamente. Cuando el suministro es restaurado, usted tendrá que reajustar la hora actual solamente si la visualización y la luz indicadora azul están intermitentes. Todos los otros ajustes se mantienen y nunca requieren ser ajustados a no ser que usted desee hacer algún cambio.

Si la hora está intermitente después de una interrupción prolongada en el suministro eléctrico, el sistema de descalcificación de agua continúa operando como debería para proporcionarle agua descalcificada. Sin embargo, la recarga podrían ocurrir a la hora equivocada del día hasta que usted reajuste el control a la hora correcta del día.

CARACTERÍSTICA/SERVICIO: DIAGNÓSTICO ELECTRÓNICO AUTOMÁTICO

La computadora de control tiene una función de diagnóstico automático para el sistema eléctrico (excepto para la energía de entrada y la medición del agua). La computadora monitorea los componentes electrónicos y los circuitos para una operación correcta. Si ocurre un error, un código de error aparece en la pantalla de control.

Sobre el sistema de descalcificación de agua.

INFORMACIÓN SOBRE LA CONDICIÓN DEL AGUA

HIERRO

El hierro del agua puede causar manchas en la ropa y accesorios de plomería. Puede alterar de forma negativa el sabor de la comida, el agua potable y otras bebidas. El hierro del agua es medido en partes por millón (ppm). El ppm de hierro total*, y el tipo o tipos* es determinado a través de análisis químicos. Los cuatro tipos de hierro diferentes en el agua son:

- Hierro ferroso (agua potable)
- Hierro férrico (agua roja)
- Hierro asociado por bacterias y organismos
- Hierro asociado en forma coloide e inorgánica (ferroso o férrico)

El hierro ferroso (agua potable) es soluble y se disuelve en agua. Este suavizante de agua reducirá cantidades moderadas de este tipo de hierro (lea las especificaciones). **El hierro ferroso (agua potable) normalmente se detecta tomando un ejemplo del agua en una botella o vaso limpios. Inmediatamente luego de tomarlos, el ejemplo es claro. A medida que el ejemplo de agua se asienta, gradualmente se enturbia y se vuelve levemente amarilla o marrón a medida que el aire oxida el hierro. Este normalmente ocurre entre los 15 y 30 minutos.

Al usar el suavizante para reducir el hierro ferroso (agua potable), agregue 5 granos a la configuración dura por cada 1 ppm de hierro ferroso (agua potable). Lea la sección "Configuración del Número de Agua Dura).

Los hierros férricos (agua roja), y asociados con bacterias y organismos son insolubles. Este suavizante de agua no eliminará el hierro férrico ni las bacterias. Este hierro es visible de forma inmediata al salir por un grifo, ya que se oxidó antes de llegar al hogar. Aparece en forma de pequeñas partículas turbias suspendidas de color amarillo, anaranjado o rojizo. Una vez que el agua se asentó por un período de tiempo, las partículas quedan en el fondo del envase. Generalmente, estos hierros son eliminados del agua a través del proceso de filtración. También se recomienda la cloración con el hierro con bacterias.

El hierro asociado en forma coloide o inorgánico es de forma férrica o ferrosa que no se filtrará ni intercambiará fuera del agua. Este suavizante de agua no eliminará el hierro coloidal. En algunas instancias, el tratamiento puede mejorar el agua con hierro coloidal. Normalmente, el agua con hierro coloidal cuenta con un aspecto amarillento al ser extraído. Luego de asentarse durante varias horas, el color persiste y el hierro no se asienta, sino que permanece suspendido en el agua.

Colloidal and inorganically bound iron is of ferric or ferrous form that will not filter or exchange out of water. This water softener will not remove colloidal iron. In some instances, treatment may improve colloidal iron water. Colloidal iron water usually has a yellow appearance when drawn. After standing for several hours, the color persists and the iron does not settle,but remains suspended in the water.

SEDIMENTO

El sedimento son partículas de material fino y extraño suspendidas en el agua. Este suavizante de agua no eliminará el sedimento. Con gran frecuencia este material es arcilla o cieno. Las cantidades extremas de sedimento pueden dar al agua un aspecto turbio. Un filtro de sedimentos instalado arriba del suavizante de agua normalmente corrige esta situación.

* El agua puede contener uno o más de los cuatro tipos de hierro y cualquier combinación de estos. El hierro total es la suma de los contenidos.

** La capacidad de reducir el hierro del agua potable es corroborada por datos evaluados de WQA.

CLORO

Las resinas suavizantes se pueden degradar en presencia de cloro sobre 2 ppm. Si el cloro excede esta cantidad, es posible que la resina experimente un período de duración más corta. En estas condiciones, es recomendable considerar la compra de un sistema de filtración para hogar GE Point-Of-Entry con un filtro para la reducción de cloro.

Antes de comenzar.

ANTES DE COMENZAR

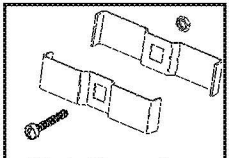
- El suavizante de agua requiere un flujo mínimo de agua de 3 galones por minuto en la entrada. La presión de entrada de agua máxima tolerable es de 125 psi. Si la presión del día supera los 80 psi, es posible que la presión nocturna supere el máximo. Si es necesario, utilice una válvula de reducción de presión (agregar una válvula de reducción de presión puede reducir el flujo). Si su hogar está equipado con un preventor de flujo regresivo, se deberá instalar un tanque de expansión de acuerdo con los códigos y leyes locales.
- El suavizante de agua utiliza un suministro de corriente externa conectado en forma directa (incluido). Asegúrese de usar el suministro de corriente incluido y enchufe el mismo en un tomacorriente de hogar con ciclo nominal de 120V, 60 que se encuentre en una ubicación seca, conectado a tierra y correctamente protegido por un dispositivo de sobrecarga de corriente tal como un disyuntor o fusible.
- Este sistema no se debe usar con agua que no sea segura a nivel microbiológico o que sea de calidad desconocida sin una desinfección adecuada, antes o después, del sistema.

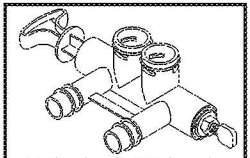
HERRAMIENTAS Y MATERIALES REQUERIDOS PARA LA INSTALACIÓN

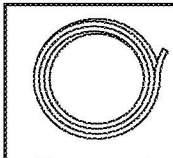
- Pinzas
- Destornillador
- Cinta de teflón
- Cuchillo filoso
- Dos llaves ajustables
- Es posible que se requieran herramientas adicionales en caso de ser necesaria una modificación de la plomería del hogar.

¡ADVERTENCIA! *Descarte todas las piezas sin uso y materiales de embalaje luego de la instalación. Las pequeñas partes restantes luego de la instalación podrían ocasionar riesgo de obstrucción.*

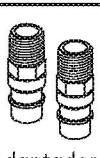
NOTA: El incumplimiento de estas instrucciones de instalación anulará la garantía del producto, y el instalador será responsable por cualquier servicio, reparación o daños ocasionados de ese modo.


Kit de Abrazaderas para la Conexión a Tierra


Válvula del Tubo de Desviación


Manguera de Drenaje de 12 pies

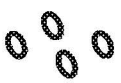
Sujetadores


Adaptadores para la Instalación

Abrazaderas de la Manguera

Adaptador Para Desborndes

Arandela Aislante


Anillos O

Grasa de Silicona

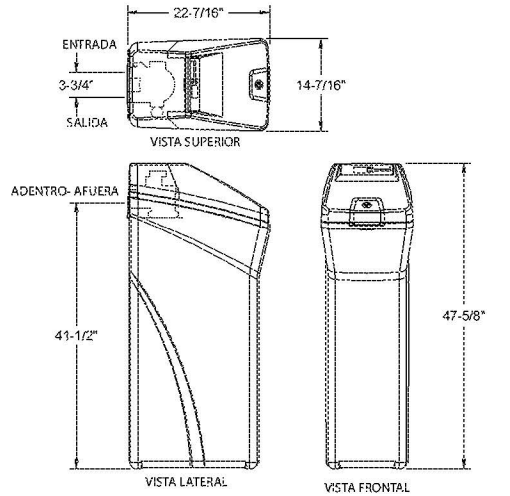
Requisitos de Instalación.

REQUISITOS DE UBICACIÓN

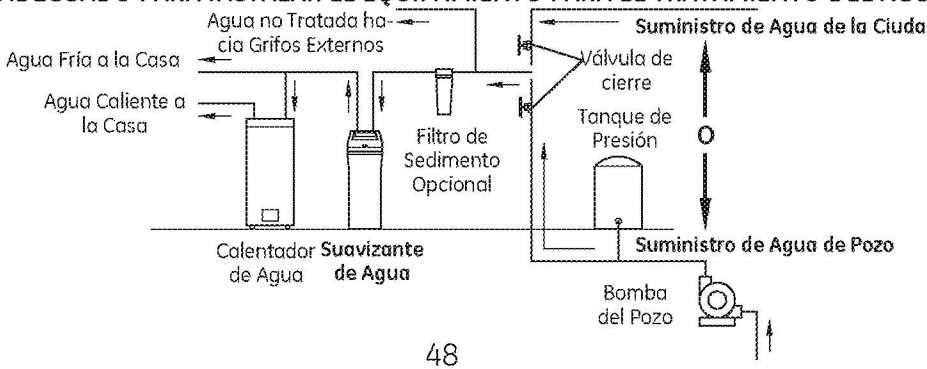
Considere todo lo siguiente al seleccionar una ubicación de instalación del suavizante de agua.

- No coloque el suavizante de agua donde haya temperaturas heladas. No intente tratar el agua a más de 120 °F. **Los daños por temperaturas heladas o agua caliente anulan la garantía.**
- Para acondicionar toda el agua del hogar, instale el suavizante de agua cerca de la entrada del suministro de agua, y antes que todas las demás conexiones de plomería, excepto las tuberías de agua externas. Las grifos externos deberían permanecer con agua dura para evitar el desperdicio de agua y sal acondicionada.
- Un drenaje cercano es necesario para arrastrar el agua echada (drenada) para regeneración. Use un drenaje por suelo, tubería de lavandería, sumidero, tubería vertical, u otras opciones (consulte los códigos locales). Consulte las secciones "Requisitos de Espacio Libre" y "Requisitos de Drenaje con Válvula".
- El suavizante de agua utiliza un suministro de corriente externa conectado en forma directa (incluido). Asegúrese de usar el suministro de corriente incluido y enchufe el mismo en un tomacorriente de hogar con ciclo nominal de 120V, 60 que se encuentre en una ubicación seca, conectado a tierra y correctamente protegido por un dispositivo de sobrecarga de corriente tal como un disyuntor o fusible.
- Siempre instale el suavizante de agua entre la entrada de agua y el calentador de agua. Cualquier otro equipamiento para el acondicionamiento de agua debería ser instalado entre la entrada de agua y el suavizante de agua (Consulte la Figura siguiente).
- Si el ablandador de agua es instalado al aire libre, no lo coloque en una ubicación donde esté expuesto a climas húmedos, en contacto directo con la luz solar, temperaturas extremas de calor o frío, u otras formas de abuso.
- **NO HAGA CORRER AGUA CALIENTE A TRAVÉS DEL SUAVIZANTE La temperatura del agua que pasa a través del suavizante deberá ser inferior a 120° F.**
- Evite la instalación directamente en contacto con la luz solar. El exceso de calor solar puede ocasionar distorsión y otros daños sobre partes no metálicas.
- Cuando se instale en una ubicación exterior, deberá realizar los pasos necesarios para asegurar que el ablandador, la plomería y cableado de instalación, estén protegidos de los factores climáticos, luz solar directa, contaminación, vandalismo, insectos, alimañas, etc.
- No instale el suavizante donde pueda bloquear el acceso al calentador de agua o el acceso al cierre principal del agua.

DIMENSIONES



ORDEN ADECUADO PARA INSTALAR EL EQUIPAMIENTO PARA EL TRATAMIENTO DEL AGUA



Requisitos de Instalación.

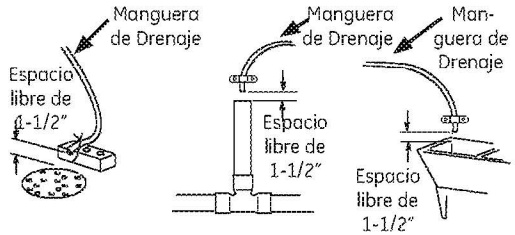
CÓDIGOS DE PLOMERÍA

Toda la plomería deberá ser completada de acuerdo con los códigos de plomería nacional, estatal y local.

En el estado de Massachusetts: En el Commonwealth de Massachusetts, se deberá cumplir con el Código de Plomería 248 CMR. Se deberá contratar a un plomero matriculado para esta instalación.

REQUISITOS DE ESPACIO LIBRE

Es necesario un drenaje para el agua de regeneración (Ver la Figura 1). Es recomendable un drenaje por el suelo, cerca del suavizante de agua. Otras opciones de drenaje son una tubería para lavandería, un tubo vertical, etc. Coloque de forma segura la manguera de la válvula de drenaje. Deje un espacio libre de 1-1/2" entre el extremo de la manguera y el drenaje. Este espacio es necesario para evitar el flujo regresivo de agua de cloaca en el suavizante de agua. No coloque el extremo de la manguera de drenaje en el drenaje.



DRENAJE POR SUELO | TUBO VERTICAL | TUBERÍA DE LAVANDERÍA

Figura 1

REQUISITOS DEL DRENAJE CON VÁLVULA

Para el uso de una manguera de drenaje flexible (incluida) (vea la Figura 2), mida y corte hasta la extensión necesaria. El uso de mangueras de drenaje flexible no está permitido en todas las localidades (consulte sus códigos de plomería). Si los códigos locales no permiten el uso de una manguera de drenaje flexible, se deberá usar un drenaje con válvula rígida. Adquiera un accesorio de compresión (tubo mínimo de 1/4 NPT x 1/2 pulgada) y un tubo de ½" en su tienda local. Instale un drenaje rígido según sea necesario (Vea la Figura 3).

NOTA: Evite que la manguera de drenaje supere los 30 pies. Evite elevar la manguera más de 8 pies sobre el piso. Haga que la línea de drenaje con válvula sea tan corta y directa como sea posible.

LÍNEA DE DRENAJE FLEXIBLE

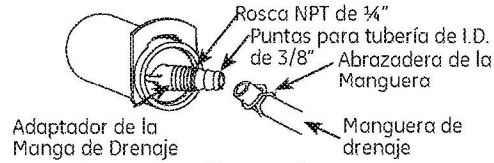


Figura 2

LÍNEA DE DRENAJE RÍGIDO

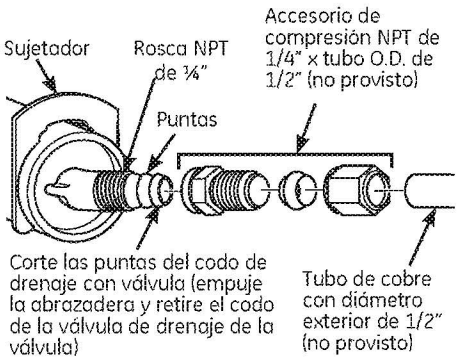


Figura 3

REQUISITOS DE PLOMERÍA INTERIOR/ EXTERIOR

Siempre instale una válvula de desviación simple (provista), como se muestra en la Figura 4, o, si lo desea, puede adquirir y ensamblar piezas para un sistema de desviación de 3 válvulas (no incluido), como se muestra en la Figura 5. Las válvulas de desviación le permiten cerrar el agua en el suavizante para el mantenimiento si es necesario, pero aún tener agua en las tuberías de la casa.

Los accesorios para tubería deberán ser como mínimo de 1/2". Uso:

- Tubería de cobre
- Tubería roscada
- Tubería PEX (Polietileno Entrecruzado)
- Tubería de plástico de CPVC
- Otra tubería aprobada para uso con agua potable

IMPORTANTE: No suelde con la tubería adjunta a los adaptadores de instalación y a la válvula de desviación simple. El calor de la soldadura dañará los adaptadores y la válvula.

SINGLE BYPASS VALVE

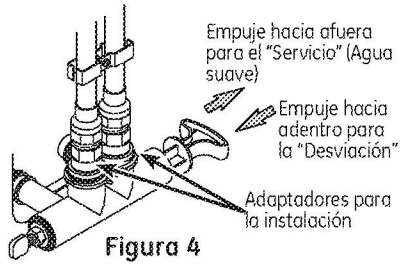


Figura 4

⚠ PELIGRO:

Riesgo de Descarga Eléctrica:

Instale una clavija de metal con conexión a tierra a la tubería metálica del suministro de agua del hogar antes de comenzar la instalación. De forma segura, ajuste la conexión en el centro de la clavija metálica con conexión a tierra. Si no cumple con esto, se podrán producir descargas eléctricas o la muerte.

3-SISTEMA DE DESVIACIÓN CON VÁLVULA

Para el servicio con agua suave: Abra las válvulas internas y externas y cierre la válvula de desviación.

Para desviar agua dura: Cierre las válvulas internas y externas y abra la válvula de desviación.

3 DESVIACIÓN CON VÁLVULA

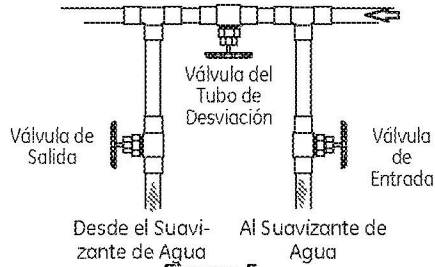


Figura 5

INSTALACIÓN TÍPICA

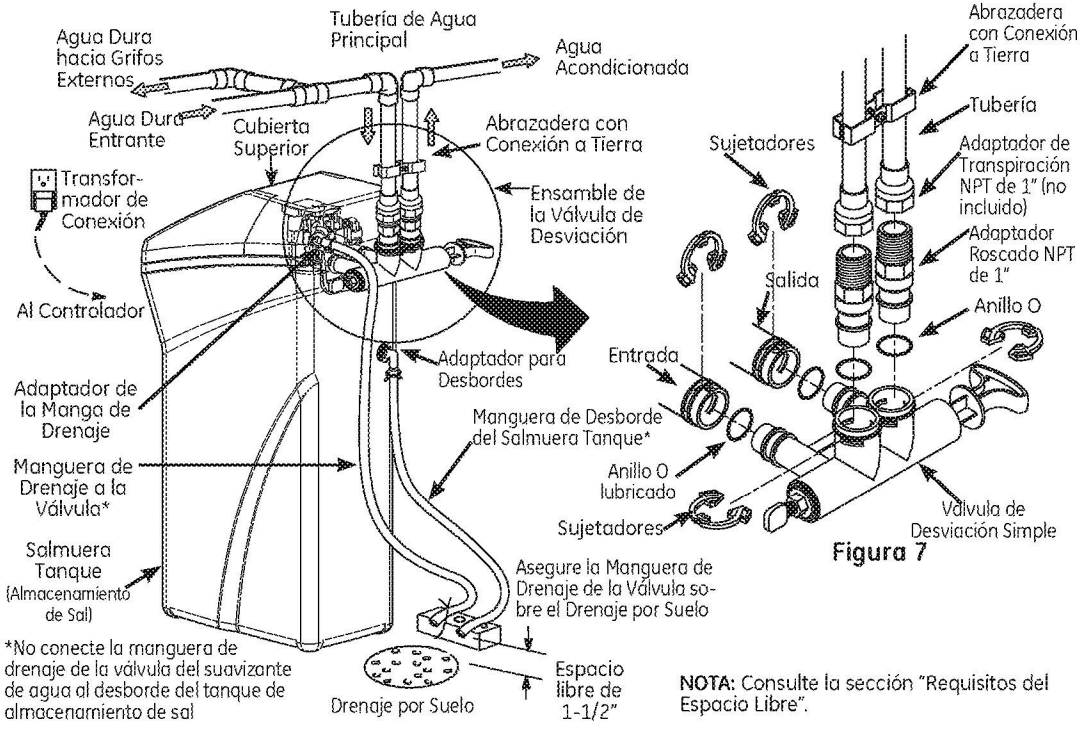


Figura 6

Figura 7

NOTA: Consulte la sección "Requisitos del Espacio Libre".

- Retire el enchufe y el cable del embalaje plástico de la conexión de salida de la válvula.

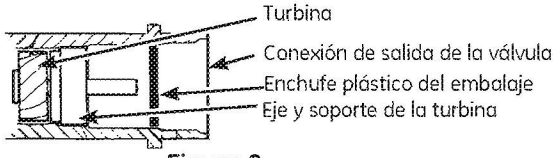


Figura 8

NOTA: Asegúrese de que la turbina y el soporte estén firmemente en sus lugares en la conexión de salida de la válvula. Sople hacia el puerto de la válvula y observe que la turbina rote libremente.

CIERRE EL SUMINISTRO DE AGUA

1. Cierre la válvula del suministro principal de agua, ubicada cerca de la bomba del pozo o del medidor de agua.
2. Abra todos los grifos para drenar toda el agua de las tuberías de la casa.

NOTA: Asegúrese de no drenar el agua del calentador de agua, ya que esto podría ocasionar daños sobre los elementos del calentador de agua.

INSTALE EL ADAPTADOR DE DESBORDE DEL TANQUE DE SALMUERA

Instale la arandela aislante y el adaptador de desborde del tanque de salmuera en el agujero de 13/16" de diámetro en la parte trasera de la pared lateral del tanque de almacenamiento de sal; (consulte la Figura 9).

NOTA: El adaptador de desborde del tanque de salmuera acepta una manguera I.D. de ½" o 3/8".

INSTALE LA VÁLVULA DE DESVIACIÓN

NOTA: Para una instalación fácil, retire la tapa superior. Libere las 2 abrazaderas de la parte trasera de la tapa. Rote la tapa hacia adelante y levante la misma.

1. Retire dos abrazaderas de las puertas de entrada y salida de la válvula del suavizante de agua y visualmente controle y retire cualquier escombro; (consulte la Figura 7).
2. Asegúrese de que el ensamble de la turbina gire libremente en el puerto de "salida" de la válvula; (consulte la Figura 8).
3. Si aún no se realizó, coloque una cobertura luminosa de grasa de silicona (a condición de que) en los anillos o de desviación simple; (consulte la Figura 7).
4. Empuje la válvula de desviación simple sobre la válvula del suavizante tanto como sea posible. Presione las dos abrazaderas de sujeción en sus lugares, desde la parte superior hacia abajo; (consulte las Figuras 7 y 10).

IMPORTANTE: Asegúrese de que las abrazaderas queden firmes, de modo que la válvula de desviación simple no se suelte.

MUEVA EL SUAVIZANTE DE AGUA A SU LUGAR

⚠ ¡ADVERTENCIA!

Riesgo de Peso Excesivo

Cuente con la ayuda de dos o más personas para mover e instalar el suavizante de agua. Si esto no se hace, se podrán producir lesiones de espalda u otras lesiones.

1. Mueva el suavizante de agua hasta la ubicación deseada. Coloque el mismo sobre una superficie sólida y nivelada.

IMPORTANTE: No coloque cuñas directamente debajo del tanque de almacenamiento de sal para nivelar el suavizante. El peso del tanque, cuando esté lleno de agua y sal, podrá hacer que se fracture en la cuña.

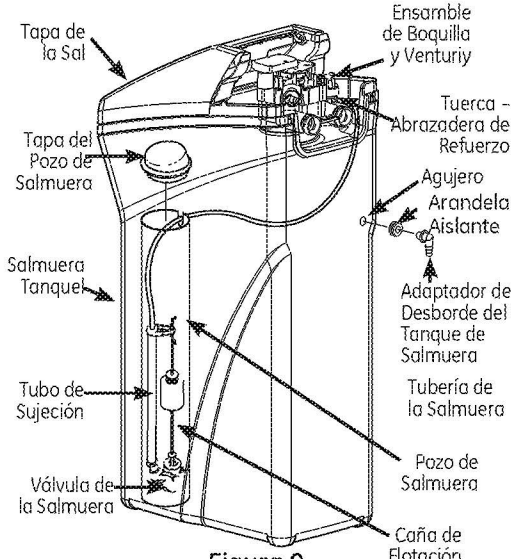
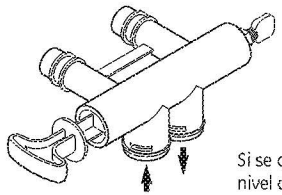


Figura 9

Nota: La unidad se muestra sin la tapa superior..

VÁLVULA DE DESVIACIÓN SIMPLE



Si se conecta a la plomería a nivel del suelo, instale la válvula de desviación girada hacia abajo, como se muestra.

ENSAMBLE CORRECTO

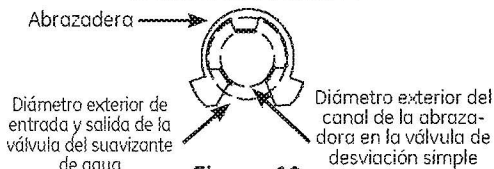


Figura 10

NOTA: Asegúrese de que las 3 lengüetas de la abrazadera atraviesen los agujeros correspondientes en la entrada y salida de la válvula del suavizante de agua, y completamente en el canal en la válvula de desviación simple. Asegúrese de que las lengüetas estén completamente apoyadas.

COMPLETE LA PLOMERÍA DE ENTRADA Y SALIDA

¡ADVERTENCIA!

RIESGO DE DESCARGA ELÉCTRICA:

Instale una clavija de metal con conexión a tierra a la tubería metálica del suministro de agua del hogar antes de comenzar la instalación. De forma segura, ajuste la conexión en el centro de la clavija metálica con conexión a tierra. Si no se cumple con esto, se podrán producir descargas eléctricas o la muerte.

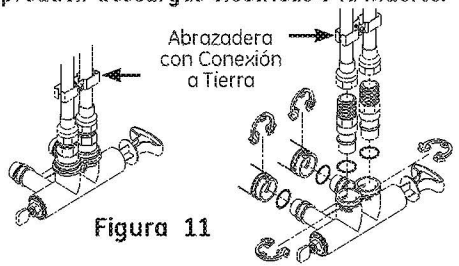


Figura 11

- Asegure la abrazadera con conexión a tierra a las tuberías de metal.

Mida, corte y de forma floja ensamble la tubería y accesorios de la tubería principal de agua a los puertos de entrada y salida de la válvula del suavizante de agua. Asegúrese de mantener los accesorios totalmente juntos, y las tuberías de forma rígida y derecha. ASEGÚRESE DE QUE EL SUMINISTRO DE **AGUA DURA** SEA DIRIGIDO AL PUERTO DE **ENTRADA** DE LA VÁLVULA DEL SUAVIZANTE.

NOTA: La entrada y salida están marcadas sobre la válvula del suavizante de agua. Trace la dirección del flujo de agua para asegurar que el agua dura va hacia la entrada.

IMPORTANTE: Asegúrese de encajar, alinear y sostener toda la plomería, a fin de evitar poner tensión sobre la entrada y salida de la válvula del suavizante de agua. La tensión sobre la plomería por falta de alineación o sostén puede ocasionar daños sobre la válvula.

- Si realizará una instalación con cobre soldado, realice todas las soldaduras con el metal ya en la cavidad antes de conectar las tuberías a los adaptadores de NPT y la válvula de desviación. El calor de la linterna daña las partes plásticas.

¡ADVERTENCIA!

Si se harán soldaduras para la conexión de las tuberías, use sólo soldadoras y fundidores libres de plomo para evitar el envenenamiento con plomo.

- Al girar los accesorios de las tuberías roscadas en los accesorios de plástico, tenga cuidado de no cruzar las roscas.
- Use Cinta de Teflón en todas las roscas de tuberías externas.

Complete la tubería interna y externa sobre el tipo de tubería que usará. Asegure la abrazadera con conexión a tierra a las tuberías de metal.

INSTALE LA MANGUERA DE DRENAJE DE LA VÁLVULA

1. Mida y conecte la línea de drenaje de 3/8" (provista) al accesorio de drenaje de la válvula del suavizante de agua. Use un sujetador de manguera para sostener la misma en su lugar.

NOTA: Evite que la manguera de drenaje supere los 30 pies. Evite elevar la manguera más de 8 pies sobre el piso. Haga que la línea de drenaje con válvula sea tan corta y directa como sea posible.

IMPORTANTE: Si los códigos requieren una línea de drenaje rígida, consulte la sección "requisitos de Drenaje de la Válvula".

2. Dirija la manguera de drenaje o la tubería de cobre al drenaje del suelo u otro punto de drenaje adecuado. Asegure la manguera de drenaje. Esto evitará los "latigazos" durante las regeneraciones. Consulte la sección "Requisitos del Espacio Libre" (Figura 1).

3. Corte y asegure la manguera.

NOTA: El suavizante no funcionará si el agua no puede salir de la manguera de drenaje durante la recarga.

INSTALE LA MANGUERA DE DESBORDE DEL SALMUERA TANQUE (DE ALMACENAMIENTO DE SAL)

1. Mida, corte hasta la extensión necesaria y conecte la línea de drenaje de 3/8" (provista) al codo de desborde del tanque de almacenamiento de sal y asegure la misma con un sujetador de mangueras.

2. Dirija la manguera al drenaje del piso, o hacia otro punto de drenaje adecuado que no esté más alto que el accesorio de drenaje en el tanque de almacenamiento de sal (Éste es un drenaje por gravedad). Si el tanque se sobrecarga con agua, el excedente fluye hacia el punto de drenaje. Corte la línea de drenaje hasta la extensión deseada y dirija la misma con cuidado fuera del camino.

IMPORTANTE: Para un funcionamiento adecuado del suavizante de agua, no conecte la tubería del drenaje de la válvula del suavizante de agua a la manguera de desborde del tanque de almacenamiento de sal.

PRUEBA DE PÉRDIDAS

Para evitar la presión de aire en el suavizante de agua y en el sistema de plomería, complete los siguientes pasos en orden:

1. Abra totalmente dos o más grifos de agua fría suavizada cerca del suavizante de agua, ubicado más abajo con relación al flujo desde el suavizante de agua.
2. Coloque la válvula de desviación (simple o de 3 válvulas) en la posición de "desviación". (Vea las Figuras en la Página 10).
3. Lentamente abra la válvula principal de suministro de agua. Deje correr el agua hasta que haya un flujo parejo en los grifos abiertos, sin burbujas de aire.
4. Coloque la válvula(s) de desviación en la posición "servicio" o en agua suave como se indica:
   - Válvula de desviación simple (Figura 4): Lentamente mueva el vástago de la válvula hacia "servicio", haciendo varias pausas para permitir que el suavizante de agua se llene de agua.
   - Desviación de 3 válvulas (Figura 5): Cierre totalmente la válvula de desviación y abra la válvula de salida.
5. Luego de unos tres minutes, abra un grifo de agua caliente hasta que haya un flujo parejo y no hayan burbujas de aire; luego cierre este grifo.
6. Cierre todos los grifos de agua fría y controle que no haya goteos en las conexiones de plomería que realizó.
7. Controle que no haya goteos alrededor de los sujetadores en la entrada y salida del suavizante. Si hay una pérdida en un sujetador, despresurice la plomería (cierre el suministro de agua y abra los grifos) antes de retirar el sujetador. Al retirar los sujetadores de la entrada y salida del suavizante, presione el cuerpo de la válvula de desviación simple hacia el suavizante (Vea la Figura 14). Un retiro inadecuado podrá dañar los sujetadores. No vuelva a instalar los sujetadores dañados.

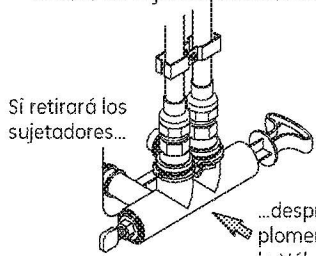


Figure 14

AGREGUE AGUA Y SAL AL TANQUE DE ALMACENAMIENTO DE SAL

¡ADVERTENCIA!

RIESGO DE PESO EXCESIVO:
Cuente con la ayuda de dos o más personas para mover e instalar las bolsas de sal. Si esto no se cumple, se podrán producir lesiones de espalda u otras lesiones.

1. Utilizando un envase, agregue alrededor de tres galones de agua potable en el tanque de almacenamiento de sal.
2. Agregue sal al tanque de almacenamiento. Use pepitas, bolitas o sal solar gruesa con menos del 1% de impurezas.

ENCHUFE EL SUAVIZANTE DE AGUA

1. Enchufe el suavizante de agua en un tomacorriente eléctrico que no esté controlado por un interruptor.
2. Reemplace la tapa superior.
3. Reemplace la tapa del agujero de sal.

NOTA: El calentador de agua está lleno con agua dura y, a medida que se use agua caliente, se volverá a llenar con agua acondicionada. En unos pocos días, el agua caliente estará completamente acondicionada. Para poder contar con agua caliente acondicionada de forma inmediata, espere hasta que la recarga inicial esté terminada. Luego, drene el calentador de agua (siguiendo instrucciones para el calentador de agua), hasta que el agua se enfríe.

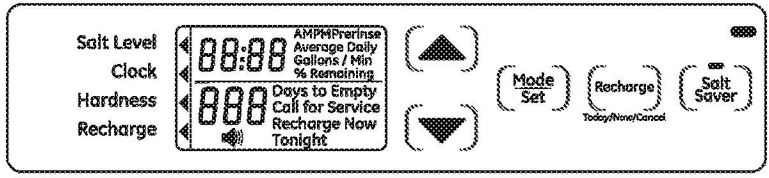
¡ADVERTENCIA!

Descarte todas las piezas sin uso y materiales de embalaje luego de la instalación. Las pequeñas partes restantes luego de la instalación podrían ocasionar riesgo de obstrucción.

DESINFECTE EL SUAVIZANTE DE AGUA/ DESINFECTE LUEGO DEL SERVICIO

1. Abra la tapa del agujero de sal, retire la tapa del pozo de salmuera y vierta alrededor de 3 oz. (6 cucharones) de blanqueador de hogar en el pozo de salmuera del suavizante. Reemplace la tapa del pozo de salmuera.
2. Asegúrese de que la válvula(s) de desviación esté en la posición de "servicio" (abierta).
3. Comience una recarga (regeneración). Consulte "Iniciar una Recarga" en la Página 58.
4. Una vez completada la recarga, abra totalmente un grifo de agua fría, haga que corra el agua desde el suavizante, y deje que 50 galones corran a través del sistema. Esto debería tomar por lo menos 20 minutos. Cierre el grifo.

Programación del Suavizante de Agua.



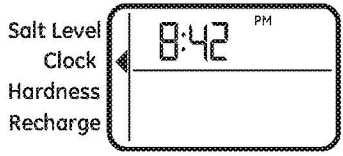
Cuando el transformador está enchufado en el tomacorriente eléctrico, un código de modelo y número de evaluación (ejemplo: J3.4 & H45) aparecen en la pantalla. Luego, "12:00 PM" comienza a titilar. Una flecha ◀ aparece junto a **CLOCK (Reloj)** en la calcomanía de la placa.

FUNCIONAMIENTO DEL CONTROL:

- **CONFIGURACIONES DE CONTROL REQUERIDAS** en la instalación inicial y luego de un corte de corriente prolongado.
- Use el botón **MODE/SET (Modo/ Configuración)** para mover la flecha a la configuración de la función del control deseada.
- Una vez seleccionado el modo, use los botones UP (Arriba) ▲ y DOWN (Abajo) ▼ para cambiar las configuraciones del control.
- Presione el botón **MODE/SET (Modo/ Configuración)** para aceptar los cambios.
- Un "pitido" suena al presionar los botones para la programación del control. Un pitido señala un cambio en la pantalla de control. Pitidos repetidos indican que el control no aceptará un cambio desde el botón que presionó, y que debería seleccionar otro botón.

CONFIGURE LA HORA DEL DÍA

1. Presione el botón **MODE/SET (Modo/ Configuración)** hasta que la flecha ◀ apunte a **CLOCK (Reloj)**.
2. Presione los botones UP (Arriba) ▲ o DOWN (Abajo) ▼ para configurar la hora actual. UP (Arriba) ▲ mueve la pantalla hacia adelante; DOWN (Abajo) ▼ configura el tiempo hacia atrás. Asegúrese de que AM y PM estén correctos.



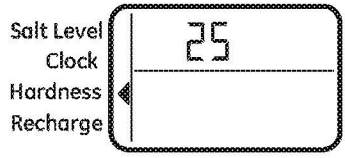
NOTA: Presione los botones y rápidamente libere para avanzar lentamente por la pantalla un número a la vez. Sostenga los botones para avanzar de forma rápida.

3. Cuando se muestre la hora correcta en la pantalla, presione **MODE/SET (Modo/ Configuración)** para aceptar.

Programación del Suavizante de Agua.

CONFIGURE EL NÚMERO DE DUREZA DEL AGUA

1. Presione el botón **MODE/SET (Modo/ Configuración)** hasta que la flecha ◀ apunte a **HARDNESS (Dureza).** Un 25 titilante aparecerá en la pantalla.



2. Presione los botones UP (Arriba) ▲ o DOWN (Abajo) para configurar el número de dureza del agua.

NOTA: Si el suministro de agua contiene hierro, compense el mismo valor numérico a la dureza del agua. Por ejemplo: suponga que el agua tiene una dureza de 20 gpg y que contiene hierro de 2ppm. Agregue 5 al número de dureza por cada 1 ppm o hierro. En este ejemplo: el número de dureza que usaría es 30.

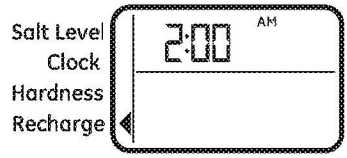
		20 gpg hardness
2 ppm iron x 5 =	10	+10
(times)		30 HARDNESS NUMBER

3. Cuando la pantalla muestre la dureza del agua (en granos por galón), presione **MODE/SET (Modo/ Configuración)** para aceptar.

Puede conocer la dureza de su suministro de agua en granos por galón (gpg) a través de un laboratorio de análisis del agua. Si recibe un suministro municipal, comuníquese a su departamento de agua local. O llame a Legend Technical Services (Servicios Técnicos Legend), un laboratorio independiente, para solicitar un kit de evaluación de la dureza del agua al 1.800.949.8220, Opción 4. Si su informe muestra una dureza en partes por millón (ppm) o miligramos por litro (mg/l), simplemente divida esto por 17.1 para obtener el número equivalente en granos por galón.

CONFIGURACIÓN DEL TIEMPO (INICIAL) DE RECARGA

1. Presione el botón **MODE/SET (Modo/ Configuración)** hasta que la flecha ◀ apunte a **RECHARGE (Recargar).**



NOTA: En la pantalla se debería visualizar 2:00 AM titilando (por omisión de fábrica). Éste es un buen momento para que la recarga se inicie (toma aproximadamente 2 horas) en la mayoría de los hogares, porque el agua no está en uso. El AGUA DURA es desviada a los grifos de la casa durante la recarga.

Si no es necesario ningún cambio, vaya al paso 3. Para cambiar el tiempo de inicio de la recarga, siga el paso 2.

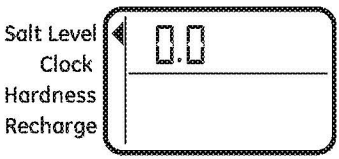
2. Presione el botón UP (Arriba) ▲ o DOWN (Abajo) ▼ para configurar el tiempo de recarga inicial deseado. Asegúrese de observar el AM o PM como hizo al configurar la hora del día.

3. Presione el botón **MODE/SET (Modo/ Configuración)** para aceptar.

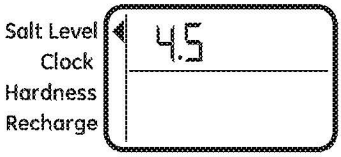
Programación del Suavizante de Agua.

CONFIGURE EL NIVEL DE SAL

1. Presione el botón MODE/SET (Modo/ Configuración) hasta que la flecha ◀ apunte a **SALT LEVEL (Nivel de Sal)**.

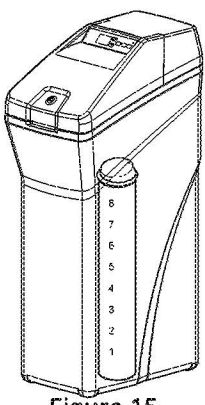


2. Determine el nivel de sal en el tanque de salmuera usando la escala numerada al costado del pozo de salmuera, dentro del tanque de salmuera (vea la Figura 15).
3. Presione UP (Arriba) ▲ o DOWN (Abajo) ▼ para configurar el **NIVEL DE SAL**, de modo que coincida con el nivel de la escala numérica del tanque de salmuera.



NOTA: Cada vez que se presiona un botón se cambia el nivel por incrementos de 0.5 hasta 8.0. Ajustar el nivel de sal por debajo de cero hace que el indicador de **SALT LEVEL (Nivel de Sal)** quede en OFF (Apagado).

4. Presione el botón **MODE/SET (Modo/ Configuración)** para aceptar. La pantalla muestra el hora actual del día y **DAYS TO EMPTY (Días Hasta Vaciarse)**.



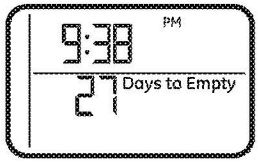
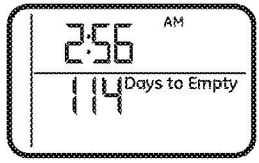


Figure 15

DÍAS HASTA VACIARSE

Las palabras DAYS TO EMPTY (DÍAS HASTA VACIARSE) y un número se muestran en la mitad inferior de la pantalla. Esta información aparece en el funcionamiento normal de la pantalla. Es para informar al usuario el número de días antes de que el nivel de sal en el tanque de salmuera alcance el Nivel 0. Quedará sal en el tanque de sal, pero no será suficiente para recargar completamente el sistema. La sal se debería agregar en este momento para evitar la formación de agua dura. El valor es actualizado diariamente y siempre que el valor de SALT LEVEL (Nivel de Sal) cambie.



NOTA: Durante las primeras semanas de funcionamiento, **DAYS TO EMPTY (Días Hasta Vaciarse)** podrá tener un funcionamiento errático. Por ejemplo: la luz indicadora azul podrá titilar, mostrando que se necesita más sal cuando el nivel de sal real en el tanque está muy por encima del Nivel 0. En algunos casos, **DAYS TO EMPTY (Días Hasta Vaciarse)** podrá incluso incrementarse durante un período de varias semanas.

El suavizante de agua tarda un par de meses en incorporar su patrón de uso del agua. Una vez que hace esto, determina de forma precisa el patrón de uso de sal real. Durante este primer período, controle el nivel de sal cuando la luz azul indicadora titile. Si el nivel de sal en el tanque está en el Nivel 1 o más, deje que el sistema funcione. Asegúrese de reiniciar el indicador del nivel de sal cada vez que agregue sal al sistema.

INICIE UNA RECARGA

Mantenga presionado el botón **RECHARGE (Recarga)** por tres segundos, hasta que "RECHARGE NOW" (Recargar Ahora) comience a titilar en la pantalla, iniciando la recarga. Esta recarga aplica el blanqueador desinfectante a través del suavizante de agua. Cualquier resto de aire en el suavizante de agua es purgado en el drenaje. Durante este tiempo, controle periódicamente que no haya goteos.

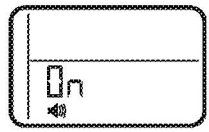
NOTA: Al igual que con otras aplicaciones del sistema de agua, se pueden producir goteos. Es posible que los goteos no se vean de forma inmediata. Vuelva a hacer un control 24 horas después de que el primer ciclo de recarga esté completo.

Programación del Suavizante de Agua.

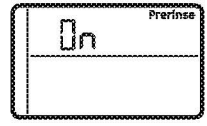
CONFIGURACIONES OPCIONALES DEL CONTROL

La pantalla del controlador cuenta con varias opciones y funciones.

ALARMA DE SAL BAJA

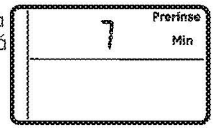


Una vez activada LOW SALT ALARM (Alarma de Sal Baja), sonará el pitido cuando el valor de DAYS TO EMPTY (Días Hasta Vaciarse) sea de 15 días o menos. Para cambiar esta configuración, mantenga presionado el botón MODE/SET (Modo/ Configuración) durante unos 3 segundos o escuche el pitido. ON (Encendido) (por omisión de fábrica) u OFF (Apagado) titilarán en la pantalla. Presione los botones UP (Arriba) ▲ o DOWN (Abajo) ▼ para pasar esta función de ON (Encendido) a OFF (Apagado). Presione el botón MODE/SET (Modo/ Configuración) para aceptar, y la pantalla se moverá a PRERINSE ON/OFF (Pre Enjuague Encendido/ Apagado). Presione los botones UP (Arriba) ▲ o DOWN (Abajo) ▼ para encender u apagar el pre enjuague.



PRE ENJUAGUE

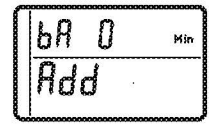
Si el agua contiene sedimentos, la función de pre enjuague eliminará los sedimentos del fondo de resina antes de la regeneración.



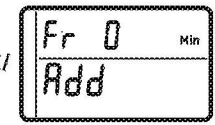
Presione el botón MODE/SET (Modo/ Configuración) y la pantalla se moverá al modo Prerinse Time (Tiempo de Pre Enjuague). En esta pantalla, puede ajustar la duración del pre enjuague presionando los botones UP (Arriba) ▲ o DOWN (Abajo) ▼). Presione el botón MODE/SET (Modo/ Configuración) para aceptar, y la pantalla se moverá a Back Wash (Lavado Regresivo).

LAVADO REGRESIVO Y ENJUAGUE RÁPIDO

Si siente que el sabor del agua es salado luego de la regeneración, es posible que necesite incrementar los tiempos del lavado regresivo y de enjuague rápido. Los tiempos de los ciclos durante las regeneraciones son determinados por el controlador electrónico del suavizante. Sin embargo, puede incrementar los tiempos del lavado regresivo y enjuague rápido. Puede agregar hasta 10 minutos.



Para Backwash (Lavado Regresivo), puede agregar hasta 10 minutos por incrementos de 1 minuto, presionando el botón UP (Arriba), ▲ o restar tiempo presionando el botón DOWN (Abajo) ▼ .



Para Fast Rinse (Enjuague Rápido), presione el botón **MODE/ SET (Modo/ Configuración)** y la pantalla se mueve a la función de agregar tiempo de enjuague rápido. Puede agregar hasta 10 minutos por incrementos de 1 minuto, presionando el botón UP (Arriba), ▲ o restar tiempo presionando el botón DOWN (Abajo) ▼ Presione el botón **MODE/SET (Modo/ Configuración)** para aceptar, y la pantalla se moverá a Run Display (Mover Pantalla).

AHORRO DE SAL

Cuando esta función esté en ON (Encendido), el suavizante de agua funcionará con un nivel de eficiencia de la sal de 4000 granos de dureza por libra de sal o más. (Se podrá recargar con mayor frecuencia usando dosis de sal inferiores o menos agua). El suavizante se envía con esta función configurada en OFF (Apagado).

En el estado de California: Deberá colocar la Función de Ahorro de Sal en ON (Encendido). Esto podrá iniciar recargas más frecuentes. Sin embargo, funcionará en 4,000 granos por libra de sal.

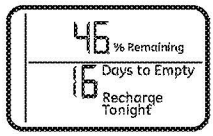
Para colocar el Ahorro de Sal en ON (Encendido) Presione el botón Salt Saver (Ahorro de Sal) una vez hasta que la luz azul de estado sobre el botón esté en ON (Encendido).

Programación del Suavizante de Agua.

FUNCIÓN: PANTALLA DE OTROS DATOS

Estos modelos tienen una opción para que la pantalla indique información diferente. La información mostrada en la mitad superior de la pantalla puede ser modificada a una de las siguientes presionando los botones UP (Arriba) ▲ o DOWN (Abajo) ▼:

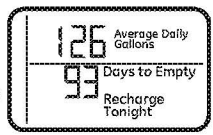
• CAPACIDAD RESTANTE



– Éste es el porcentaje de capacidad restante para suavizar el agua. De forma inmediata luego de una regeneración, se muestra el 100%. A medida que se usa el agua, el porcentaje se reducirá hasta la siguiente regeneración. Durante las regeneraciones, el porcentaje se incrementa hacia arriba.

Cuando se muestre el tiempo presente, presione el botón DOWN (Abajo) ▼ ; **% Remaining (% Restante)** aparecerá en la pantalla. El valor mostrado está entre 0 y 100 por ciento. El valor se basa en la capacidad de funcionamiento actual. Presionar el botón UP (Arriba) ▲ hará que se regrese a la pantalla anterior.

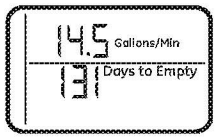
• PROMEDIO DE GALONES DIARIOS



– La figura mostrada es el promedio de galones de agua usados en el hogar cada día durante el período de los últimos siete días.

Presione el botón DOWN (Abajo) ▼ nuevamente para mostrar Average Dialy Gallons (Promedio de Galones Diarios). **Average Daily Gallons (Promedio de Galones Diarios)** aparecerá en la pantalla. Este valor es actualizado cada día a medianoche. Presionar el botón UP (Arriba) ▲ button will return the screen to the previous display.

• ÍNDICE DE FLUJO, GPM



– Al usar agua suave, esta pantalla muestra el índice de flujo que pasa por el suavizante (en galones por minuto). Cero muestra si el agua no está pasando por el suavizante.

Presione el botón DOWN (Abajo) ▼ nuevamente para mostrar el índice de flujo. Gallons/ Min (Galones/ Mín.) aparecerá en la pantalla. Este valor es actualizado cada 1/2 segundo. Presionar el botón UP (Arriba) ▲ button will return the screen to the previous display. hará que se regrese a la pantalla anterior. Presionar el botón DOWN (Abajo) ▼ hará que se regrese a la pantalla del tiempo actual.

REAJUSTE A FALTA DE FÁBRICA

Para reiniciar el controlador electrónico de todas las configuraciones al ajuste de fábrica por omisión (hora, dureza, etc.)

1. Mantenga presionado el botón **MODE/SET (Modo/ Configuración)** hasta que la pantalla cambie dos veces y muestre el código del modo titilante.

2. Presione el botón UP (Arriba) ▲ para mostrar un "SoS" titilante.
3. Presione el botón **MODE/SET (Modo/ Configuración)** y el controlador electrónico se reiniciará.
4. Configure la hora actual, la dureza, etc., según se describe en la sección de Programación del Suavizante de Agua.

Programación del Suavizante de Agua.

MEMORIA POR CORTE DE CORRIENTE

Si se corta la corriente del suavizante de agua, la "memoria" incorporada en los circuitos del temporizador mantendrán todas las configuraciones durante hasta 24 horas. Mientras la corriente esté cortada, la pantalla quedará en blanco y el suavizante de agua no se regenerará. Cuando la corriente eléctrica sea restablecida, ocurrirá lo siguiente.

Reinicie la hora actual sólo si la pantalla está titilando. HARDNESS (Dureza) y RECHARGE TIME (Temporizador de Recarga) nunca requieren una reconfiguración, a menos que se desee hacer una modificación. Incluso aunque el reloj esté incorrecto luego de un corte de corriente prolongado, el suavizante funciona como debería para mantener el agua suave. Sin embargo, las regeneraciones se podrán producir en la hora del día equivocada hasta que reinicie el reloj en la hora correcta del día.

NOTA: Si el suavizante de agua se estaba regenerando cuando se produjo el corte de corriente, ahora finalizará el ciclo.

LUZ AZUL INDICADORA

La luz azul pareja indica que la unidad está funcionando correctamente. La luz titila cuando la unidad necesita atención por parte del usuario.

- La luz también titilará hasta que el encendido se haya interrumpido. Controle la configuración de **PRESENT TIME (Hora Actual)**.
- La luz titila y **DAYS TO EMPTY (Días Hasta Vaciarse)** titila – controle el nivel de sal y agregue sal según se requiera.
- La luz titila y Err aparece en la pantalla – problema eléctrico con el sistema.

SEÑAL DE NIVEL DE SAL BAJO

Cuando la función **DAYS TO EMPTY (Días Hasta Vaciarse)** cae a 15, la luz azul indicadora y **DAYS TO EMPTY (Días Hasta vaciarse)** en la pantalla titilarán cada un segundo y la alarma emitirá un pitido cada 30 segundos (de 8:00 AM a 8:00 PM), a fin de notificar al usuario que la unidad está funcionando con un nivel de sal bajo. Tan pronto como se presione cualquier botón, la alarma dejará de sonar. La luz azul indicadora y **DAYS TO EMPTY (Días Hasta Vaciarse)** continuarán titilando. Una vez que se agregue sal al tanque de salmuera y **SALT LEVEL (Nivel de Sal)** sea reiniciado, la función **DAYS TO EMPTY (Días Hasta Vaciarse)** será reiniciada.

SEÑALES DE ERROR

Si se detecta un código de error, la luz azul indicadora titilará 4 veces por segundo, en la pantalla titilará **Err** y la alarma sonará cada 30 segundos (de 8:00 AM a 8:00 PM) para señalar que el suavizante requiere el servicio. La alarma se puede apagar presionando cualquier botón, pero la luz azul indicadora y la pantalla continuarán titilando.

Desconecte el transformador del tomacorriente de pared de forma momentánea, y vuelva a conectar el mismo. Aparecerá la pantalla normal. El motor podrá funcionar por varios minutos, a medida que la unidad se reinicia. Si el problema no es corregido, el código de error volverá a aparecer en 8 minutos. Consulte la sección Antes de Llamar al Servicio Técnico para recibir asistencia sobre la solución de problemas con el suavizante de agua.

AJUSTE DE LA DUREZA DEL AGUA

La perilla de ajuste de mezcla (Figura 16) le da la posibilidad de ajustar finamente la dureza del agua tratada, dejando el suavizante de agua. Si se desea un agua un poco más dura que aquella normalmente provista por el suavizante de agua, la perilla de ajuste de mezcla puede desviar un pequeño flujo de agua dura y mezclar ésta con el agua suave que entra al hogar. La cantidad de agua desviada es controlada girando una perilla de ajuste de mezcla en la tapa de la caña de la válvula.

NOTA: Para obtener el rendimiento completo del suavizante de agua, deje la válvula de mezcla en la posición cerrada configurada de fábrica.

Para hacer ajustes sobre la dureza del agua:

1. Sostenga la manija de desviación para evitar que la caña de la válvula rote (lea la figura 16). Afloje la tuerca hexagonal en la perilla de ajuste de mezcla girando la tuerca hexagonal en contra de las agujas del reloj.
2. **PARA INCREMENTAR LA DUREZA:** Con la desviación en la posición del servicio (lea la figura 16), sostenga la manija para evitar que la caña de la válvula rote, y gire la perilla de ajuste de mezcla en contra de las agujas del reloj hasta 2 vueltas desde la posición cerrada. Se recomienda hacer ajustes por incrementos de un cuarto durante varias semanas, hasta que se logre el nivel de dureza deseado. **NOTA:** Una vez que se realiza un ajuste sobre la perilla de la válvula de mezcla, es posible que lleve varios días observar el cambio en la dureza del agua en los grifos o las flores del hogar. Esta demora se debe a las grandes cantidades de agua ya acondicionada en las tuberías y el calentador de agua, que se debe cambiar antes de que se observe una modificación en la dureza. Solicite que se evalúe el agua para determinar su nivel de dureza.
3. **PARA REDUCIR LA DUREZA:** Con la desviación en la posición del servicio (vea la figura 16), sostenga la manija para evitar que la caña de la válvula rote, y gire la perilla de ajuste de mezcla a favor de las agujas del reloj. Cuando la perilla ya no gire, el agua dura ya no se está mezclando en el agua suave.
4. Una vez que se logre la dureza deseada, ajuste una tuerca hexagonal (vea la figura 16) en dirección de las agujas del reloj, hasta que entre en contacto con la caña de desviación.

   NOTA: Para cumplir con las especificaciones de rendimiento del suavizante de agua y los reclamos sobre la reducción de bario y radio, la función de ajuste de la dureza se deberá mantener en la posición "OFF" (Cerrada"). La posición cerrada se logra cuando la perilla de ajuste de mezcla se rota completamente en dirección de las agujas del reloj hasta que se detiene.

POSICIÓN DEL SERVICIO (Funcionamiento Normal del Suavizante)

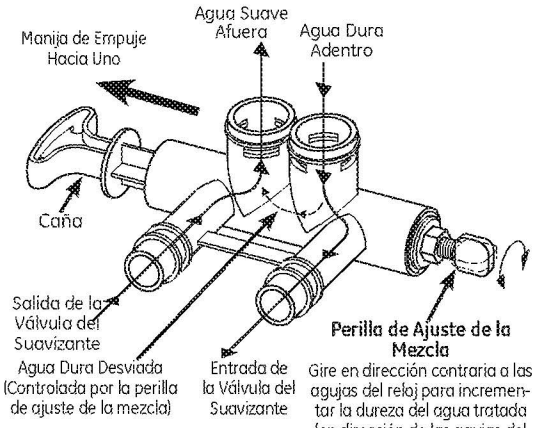


Figura 16

POSICIÓN DE LA DESVIACIÓN

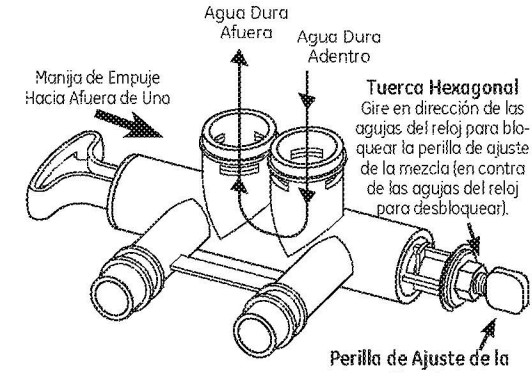


Figura 17

¡PRECAUCIÓN! Si el suavizante de agua será reparado o desconectado de la válvula de desviación, la perilla de ajuste de la mezcla deberá ser girada completamente en dirección de las agujas del reloj para cerrar el camino de desviación y evitar goteos de agua de la entrada de la desviación de la válvula del suavizante .

CONTROL DEL NIVEL DE ALMACENAMIENTO DE SAL y RECARGA

La salmuera (sal disuelta en agua) es necesaria en cada recarga. El agua para hacer salmuera es medida en el área de almacenamiento de sal por la válvula del sistema suavizante de agua y el control. ***Sin embargo, se deberá mantener el tanque suministrado con sal.***

AGREGADO DE SAL

Levante la tapa del agujero de sal y controle el nivel de almacenamiento de sal de forma frecuente. Si el suavizante de agua usa toda la sal antes de recargar la misma, obtendrá agua dura. Hasta que haya establecido una rutina de recarga, controle la sal cada dos o tres semanas. Siempre agregue sal cuando la cantidad sea inferior a ¼. Asegúrese de que la tapa del pozo de salmuera esté colocada.

NOTA: Si usará cloruro de potasio (KCl), no supere el nivel 4 de la etiqueta del pozo de salmuera.

NOTA: En áreas húmedas, es mejor mantener el nivel de almacenamiento de sal bajo, y hacer recargas más frecuentes para evitar "puentes" de sal.

Sal Recomendada: Pepitas, bolitas o sal solar gruesa con menos del 1% de impurezas.

Sal No Recomendada: Sal en roca, alta en impurezas, en bloque, granulada de mesa, derretida en hielo, para hacer helado, etc.

⚠ *PRECAUCIÓN:*

Sal para suavizante de agua con aditivos para eliminar hierro:

Algunas sales cuentan con un aditivo para ayudar al sistema suavizante de agua a eliminar el hierro del suministro de agua. Aunque este aditivo puede ayudar a mantener limpia la resina del sistema suavizante de agua, también puede liberar gases corrosivos que debilitan y acortan la vida útil de algunas partes del sistema suavizante de agua.

LIMPIEZA DEL HIERRO DEL SISTEMA SUAVIZANTE DE AGUA

Su sistema suavizante de agua elimina los minerales duros (calcio y magnesio) del agua. Además, puede controlar parte (lea la sección de Pautas de Especificación) del hierro del "agua potable". Con el hierro del agua potable, el agua de un grifo es potable cuando se coloca por primera vez en un vaso. Luego de entre 15 y 30 minutos, el agua comienza a enturbiarse o tomar un color óxido. Un sistema suavizante de agua **no** eliminará ningún hierro que enturbie el agua o la oxide al salir del grifo (llamado hierro de agua roja). Para quitar el hierro del agua roja del agua, o el máximo de hierro del agua potable, es necesario un filtro de hierro u otro equipamiento.

GE recomienda el uso de ***Super Iron Out®*** para limpiar el lecho de resina si el contenido de hierro es alto. Use ***Super Iron Out®*** con cada bolsa de sal de 40 lb. como medida preventiva contra la acumulación de óxido. Limpie el lecho por lo menos cada seis meses, o con mayor frecuencia si aparece hierro en el agua blanda entre limpiezas.

IMPORTANTE: Es importante mezclar el limpiador del fondo de resina con agua (siguiendo las instrucciones del fabricante), verter la misma en el **pozo de salmuera** (vea la Figura 9) y recargar el suavizante de forma inmediata. No vierta el limpiador del fondo de resina con la sal, ya que no será tan efectivo en la limpieza de la resina, y podrá ocasionar daños al suavizante si se deja en el tanque de salmuera por un período extendido debido a los gases corrosivos que se forman.

LIMPIEZA DEL ENSAMBLE DE LA BOQUILLA Y EL VENTURI

Una limpieza de la boquilla y el venturi es necesaria para que el sistema suavizante funcione de forma correcta.

Esta pequeña unidad hace que la succión mueva la salmuera del área de almacenamiento de sal al tanque de resina durante la recarga. Si se tapa con arena, tierra, etc., el sistema suavizante de agua no funcionará y se generará agua dura.

Para llegar a la boquilla y el venturi, retire la tapa superior del sistema suavizante de agua. Asegúrese de que el sistema suavizante de agua esté en el ciclo del servicio (sin presión de agua en la boquilla y el venturi). Luego, mientras sostiene la caja protectora de la boquilla y el venturi con una mano, retire la tapa. Levante el soporte y la pantalla, y luego la boquilla y el venturi. Lave y enjuague las piezas con agua tibia hasta que estén limpias. De ser necesario, use un pincel pequeño para retirar el hierro o la suciedad. También controle y limpie la junta.

NOTA: Algunos modelos cuentan con un enchufe de flujo pequeño ubicado en la boquilla y el venturi, y/o una pequeña pantalla con forma cónica en la caja protectora. Asegúrese de controlar y limpiar estas partes, si su modelo cuenta con este equipamiento.

Con cuidado, reemplace todas las piezas en el orden correcto. Levemente lubrique el sello del anillo o con grasa de silicona limpia o vaselina y coloque el mismo en su posición. ***Instale y ajuste la tapa, sólo en forma manual. No ajuste la tapa en exceso.***

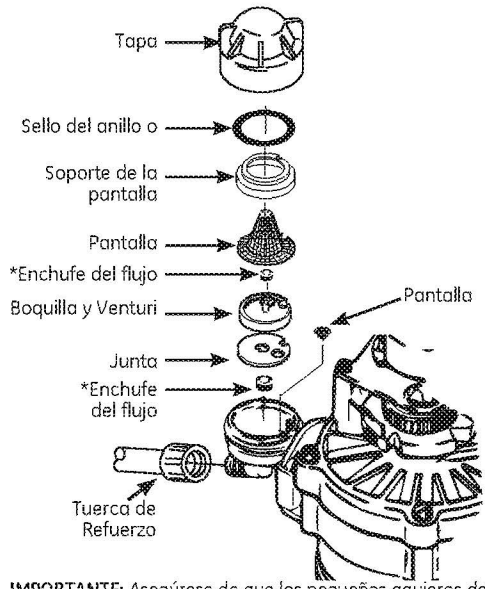
ROTURA DE UN PUENTE DE SAL

A veces se forma una costra dura o un puente de sal en el área de almacenamiento de sal. Normalmente es causado por el alto nivel de humedad o un tipo de sal inadecuado. Cuando se forman puentes de sal, se genera un espacio vacío entre el agua y la sal. Luego la sal no se disuelve en el agua para formar salmuera.

Si el tanque de salmuera está lleno de sal, es difícil decir si se formó un puente de sal. La sal está floja en la parte superior, pero el puente está debajo de ésta. La siguiente es la mejor forma de controlar la formación de un puente de sal.

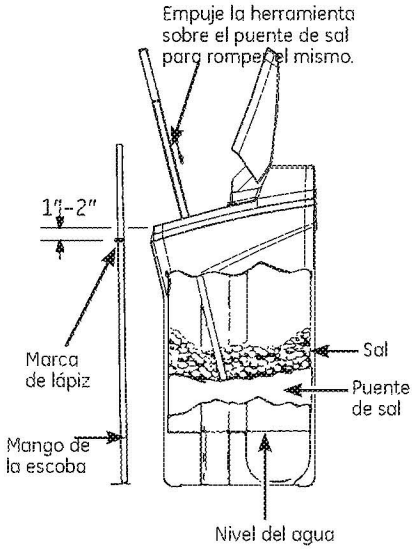
La sal debería estar suelta hasta el fondo del tanque. Tome un mango de escoba o una herramienta similar, y con cuidado empuje la misma en la sal, trabajando hacia arriba y abajo. Si la herramienta golpea un objeto duro (asegúrese de que no sea la parte inferior ni los costados del tanque), es muy probable que sea un puente de sal. Con cuidado rompa el puente con la herramienta. No golpee las paredes del tanque. Para ayudar a disolver el puente de sal, vierta un galón de agua tibia (no caliente) en el tanque.

Si el puente se formó con el tipo de sal inadecuado, retírelo. Luego llene el tanque con sal en pepitas o bolitas únicamente. En áreas húmedas, es mejor llenar el tanque con menos sal, con mayor frecuencia para evitar la formación de un puente de sal.



IMPORTANTE: Asegúrese de que los pequeños agujeros de la junta estén centrados directamente sobre los agujeros pequeños en la caja protectora de la boquilla y el venturi.

*Instale con el lado numerado hacia arriba, y el lado cóncavo hacia abajo.



Antes de solicitar el servicio técnico.

¡Los Consejos para la Solución de Problemas le Permiten Ahorrar tiempo y dinero! Lea primero el cuadro que aparece en esta página y es posible que no necesite solicitar el servicio técnico.

NO HAY AGUA SUAVE – Problemas Más Comunes:

Realice el control antes de llamar al servicio técnico:

- No hay suficiente sal – deberá estar en por lo menos 1/3.
- Válvula de desviación en la posición "Desviación" – la manija debería estar en la posición "OUT" (Fuera) (servicio).
- Configuración de dureza demasiado baja. Controle la configuración de la dureza y haga un ajuste. Verifique la dureza del agua suministrada – de la empresa de agua local, evaluación del agua o llame a GE Answer Center (800-952-5039 en EE.UU.).
- Puente de Sal – la sal se solidifica sobre el nivel del agua de modo que el agua con salmuera no entre en contacto con la sal. Consulte la sección Rotura de un Puente de Sal

Problema	Causa Posible	Qué hacer
No hay agua suave	**El grifo o el accesorio donde la muestra fue tomada no cuenta con el sistema suavizante de agua.** *NOTA: Asegúrese de que la muestra sea de un grifo que no mezcla agua suave y agua dura. Por ejemplo: un grifo de cocina de una palanca, si el lado frío está conectado para agua dura.*	• Para conservar la sal, es posible que el instalador haya aislado algunos accesorios (grifos exteriores, inodoros, etc.) del agua suave. Desde la salida del sistema suavizante de agua, trace el camino del flujo de agua, en la plomería del hogar. Si el agua suave no es dirigida a un grifo o accesorio al cual se desea, consulte a un plomero.
	No hay sal en el tanque de salmuera o hay puentes de sal	• Controle que no haya un puente de sal o, si el tanque está vacío, vuelva a llenarlo con la sal recomendada. Presione (durante 3 segundos) el botón RECHARGE (Recarga) para comenzar una recarga de inmediato y restablecer el suministro de agua suave.
	Suministro de corriente externa desenchufado del tomacorriente de pared o el cable de corriente no está conectado al suavizante. Fusible quemado o explosión del disyuntor en el circuito al tomacorriente eléctrico. Tomacorriente eléctrico en un circuito que puede ser apagado de forma continua.	• Controle que no haya pérdida de corriente eléctrica en el sistema suavizante de agua, debido a cualquiera de estas condiciones y haga correcciones según sea necesario. Con el suministro de corriente restablecido, observe la pantalla de tiempo de la placa y lea la sección Programación del Control. NOTA: la conexión del suavizante al tomacorriente eléctrico deberá ser directa de modo que no se pueda desconectar de forma accidental.
	Válvula de desviación manual en la posición de desvío	• Asegúrese de que la caña de la válvula de desviación esté correctamente posicionada, con la manija en la posición OUT (Afuera).
	Válvula de mezcla en la posición abierta	• Gire la válvula de mezcla en favor de las agujas del reloj hasta la posición cerrada.
	La válvula de la manguera de drenaje está pinzada, obstruida, demasiado elevada o de algún modo restringida	• Cualquier restricción en la manguera de drenaje podrá impedir un funcionamiento correcto de la boquilla y venturi y reducir o impedir el ingreso de salmuera durante la recarga.
	Suciedad, ensamble incorrecto o daño en la boquilla y el venturi	• Consulte las instrucciones de Limpieza del Ensamble de la Boquilla y el Venturi. Con la presión de agua al sistema suavizante de agua cerrada, separe el ensamble de la boquilla. Inspeccione, limpie y haga reemplazos según sea necesario. Cualquier partícula(s) extraña, rayones, mellas, etc. en los pasajes pueden impedir el funcionamiento. Asegúrese de que los agujeros de la junta estén centrados sobre los agujeros de la caja protectora.

Antes de solicitar el servicio técnico.

Problema	Causa Posible	Qué hacer
Agua dura a veces	Uso de agua caliente mientras el sistema suavizante de agua se está regenerando	• Evite usar agua caliente durante la recarga del sistema suavizante de agua, ya que el calentador de agua se volverá a llenar con agua dura. Consulte la sección de Desviación del Agua Dura Durante la Recarga
	Configuración del número de control de DUREZA demasiado bajo	• Presione el botón MODE/SET (Modo/ Configuración) hasta que la flecha señale hacia HARDNESS (Dureza). Asegúrese de que el número mostrado sea el mismo que aquel de la dureza de granos por galón real de su suministro de agua. En caso de ser necesario un cambio en la configuración, consulte la sección Programación del Control.
	Los granos de dureza en el suministro de agua se incrementaron	• La dureza del agua puede cambiar con el paso del tiempo, especialmente con agua de pozo. Para controlar esto, solicite que el agua sea evaluada a través de un análisis de laboratorio o llame a su departamento de abastecimiento de agua local. Ajuste la configuración del número de Dureza según sea necesario.
El agua se siente resbalosa luego de la instalación del suavizante de agua	Ausencia de minerales con dureza	• Esto es normal. La dureza del agua le da una sensación abrasiva a la cual usted se pudo haber acostumbrado. La sensación resbalosa es la sensación pura del agua suave. • Consulte la sección Ajuste de la Dureza del Agua.
Suavizante de Agua sin uso de sal	El sistema suavizante de agua es una unidad de "demanda"	• No utiliza mucha sal para la regeneración – muy eficiente.
	Posible puente de sal	• Consulte la sección Rotura de un Puente de Sal.
	Posible atascamiento de la boquilla y el venturi	• Consulte la sección Limpieza del Ensamble de la Boquilla y el Venturi
El agua es de color azul una vez que el suavizante de agua fue instalado	Agua ácida en la plomería de cobre	• Solicite que el agua sea evaluada de inmediato.
El suavizante de agua no se regenera	Atascamiento del contador de la turbina	• Para realizar los procedimientos de solución de problemas, consulte la sección de Diagnóstico de Componentes Electrónicos Iniciados Manualmente. • Llame al servicio técnico.
	Cable del sensor no enchufado en el control	• Para realizar los procedimientos de solución de problemas, consulte la sección de Diagnóstico de Componentes Electrónicos Iniciados Manualmente. • Llame al servicio técnico.
	No hay corriente en la unidad	• Controle el disyuntor o los fusibles..
	Defecto mecánico	• Llame al servicio técnico.
Enturbiamiento en la cristalería (lavavajillas automáticos)	Combinación de agua suave y demasiado detergente	• Esto se llama aguafuerte y es permanente. Para evitar que esto suceda, use menos detergente si cuenta con agua suave. Lave la cristalería en el ciclo más corto en que pueda quedar limpia.

Antes de solicitar el servicio técnico.

Problema	Causa Posible	Qué hacer
Nivel excesivo/alto de agua en el tanque de salmuera	**La válvula de la manguera de drenaje está pinzada, atascada, demasiado elevada o de algún modo restringida**	• Cualquier restricción en la manguera de drenaje podrá impedir un funcionamiento correcto de la boquilla y el venturi y reducir o impedir el ingreso de salmuera durante la recarga.
	Suciedad, ensamble incorrecto o daño en la boquilla y el venturi	• Consulte las instrucciones de Limpieza del Ensamble de la Boquilla y el Venturi. Con la presión de agua al sistema suavizante de agua cerrada, separe el ensamble de la boquilla. Inspeccione, limpie y haga reemplazos según sea necesario. Cualquier partícula(s) extraña, rayones, mellas, etc. en los pasajes pueden impedir el funcionamiento. Asegúrese de que los agujeros de la junta estén centrados sobre los agujeros de la caja protectora.
Agua con sabor a sal o de color marrón/ amarilla luego de la instalación	**Unidad no desinfectada**	• Complete los Procedimientos de Desinfección. • Al completar el ciclo de recarga (aprox. 2 horas), deje correr el agua en los grifos para purgar el agua salada.
	Presión baja del agua	Controle la presión: • Altura del drenaje de 8" o menos, la presión debe tener un mínimo de 20 psi. • Altura del drenaje superior a 8", la presión debe tener un mínimo de 50 psi.
	Manguera de drenaje restringida	• Limpie y vuelva a conectar la manguera. • Controle que no haya vueltas en la línea de drenaje.
Agua de color marrón/ amarillo	**La unidad estuvo detenida por un período de tiempo**	• Complete los Procedimientos de Desinfección.
Aparecen gotas de resina en el agua potable	**Distribuidor agrietado**	• Controle que el suavizante de la plomería "IN & OUT" sea correcto. • Llame al servicio técnico.
Sonidos que podría escuchar	**Agua que corre de la unidad a un drenaje durante la recarga**	• Esto es normal.
El agua posee burbujas de aire y está turbia	**Aire en el sistema luego de la instalación**	• Desaparecerá luego de correr por un período de tiempo..
La Luz Azul Titila		
Cuando se conecta la corriente al sistema	**El control se deberá programar (es posible que haya habido un corte de corriente)**	• Consulte la sección de Programación del Control
Si "DAYS TO EMPTY" (Días Hasta Vaciarse) está titilando	**Nivel de sal bajo, menos de 15 días**	• Llene con sal. • Reinicie el nivel de sal.

Antes de solicitar el servicio técnico.

Problema	Causa Posible	Qué hacer
Códigos de Error en el Control	Es posible que el cableado se haya aflojado en el control	• Desenchufe el suministro de corriente externo. • Retire la tapa del control, libere los sujetadores al costado. • Controle que no haya conexiones de cables sueltos/ incorrectas al tablero electrónico o interruptor. Vuelva a conectar según se requiera. • Vuelva a ensamblar la tapa del control. • Enchufe el Transformador. • Espere 8 minutos hasta que vuelva a aparecer Error Code (Código de Error). • Si vuelve a aparecer Código de Error, llame al servicio técnico.
Si en la pantalla se visualiza "Err"	Problema eléctrico con el sistema	• Llame al servicio técnico.

Solución de problemas avanzados para el servicio técnico.

DIAGNÓSTICO ELECTRÓNICO AUTOMÁTICO

Este suavizante de agua cuenta con una función de auto diagnóstico del sistema eléctrico (excepto para la corriente y/o el medidor de agua). El suavizante de agua monitorea que los componentes y circuitos electrónicos funcionen correctamente. Si se produce un mal funcionamiento, se visualizará un código de error en la pantalla.

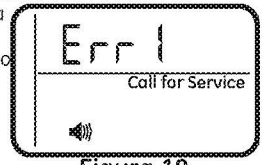


Figura 18

Mientras aparece el código de error en la pantalla, ningún botón estará en funcionamiento excepto el botón ***MODE/SET (Modo/ Configuración)***. ***MODE/SET (Modo/ Configuración)*** continúa funcionando de modo que la persona del servicio técnico pueda realizar Diagnósticos Manuales Avanzados. Lea a continuación para aislar aún más el problema.

Procedimiento para eliminar el código de error de la pantalla:

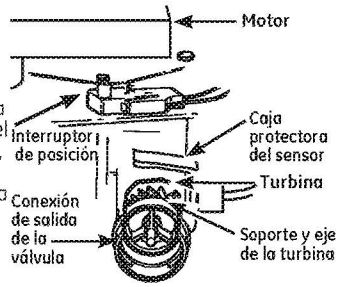
1. Desenchufe el transformador del tomacorriente eléctrico.
2. Corrija el problema.
3. Enchufe en el transformador.
4. Espere 8 minutos. El código de error se volverá a visualizar si el problema no fue corregido.

DIAGNÓSTICO ELECTRÓNICO MANUAL INICIADO

Use los siguientes procedimientos para hacer avanzar el suavizante de agua a través de los ciclos de regeneración para controlar el funcionamiento.

Levante la Tapa del Agujero de Sal, retire la tapa superior desbloqueando las lengüetas en la parte trasera y agitando hacia adelante, para observar el funcionamiento de la leva y el interruptor durante la rotación de la válvula.

1. Mantenga presionado el botón ***MODE/SET (Modo/ Configuración)*** por 3 segundos hasta que se visualice la pantalla Configurar la alarma de nivel de sal bajo, luego presione el botón ***MODE/SET (Modo/ Configuración)*** cinco veces hasta que "000" se visualice en la pantalla, y luego libere el mismo. Vea la Figura 19.
2. Los 3 dígitos indicaron el funcionamiento del medidor de agua de la siguiente manera: Si no se visualiza una lectura en la pantalla, con el grifo abierto, empuje hacia usted el sensor del puerto de salida de la válvula. Pase un imán pequeño hacia atrás y adelante frente al sensor. Debería visualizar una lectura en la pantalla. Si visualiza una lectura, cierre el suministro de agua, desenganche la plomería de entrada y salida y controle que no haya ataduras en la turbina.



3. Los símbolos en la pantalla indican el funcionamiento del interruptor de POSICIÓN. Vea la Figura 19

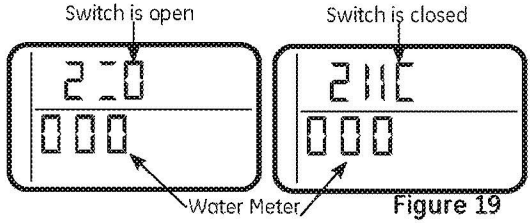


Figure 19

4. Use el botón **RECHARGE (Recarga)** para hacer avanzar la válvula manualmente en cada ciclo y controle el funcionamiento correcto del interruptor. NOTA: Asegúrese de que el agua esté en contacto con la sal, y que no esté separada por un puente de sal (consulte la sección Rotura de un Puente de Sal).
5. Mientras esté en esta pantalla de diagnóstico, la siguiente información está disponible y podrá ser beneficiosa por diferentes razones. Esta información es retenida por la computadora desde la primera vez que el encendido eléctrico es aplicado al controlador electrónico.
   a. Presione el botón ▲ UP (Arriba) para mostrar la cantidad de días que se aplicó corriente eléctrica sobre este control electrónico.
   b. Presione el botón ▼ DOWN (Abajo) para mostrar el número de regeneraciones iniciadas por el control electrónico desde que el código numérico fue ingresado.
6. Mantenga presionado el botón ***MODE/SET (Modo/ Configuración)*** hasta que el código del modo (H40 para GXSH40V o H45 para GXSH45V) aparezca en la pantalla. Este código identifica el modo del suavizante. Si se muestra un código de modo incorrecto, el suavizante funcionará sobre datos de configuraciones incorrectas.

7. Para cambiar el número del código, presione el botón UP (Arriba) ▲ o DOWN (Abajo) ▼ hasta que se visualice el código correcto.
8. Para regresar a la pantalla de la hora actual, presione el botón ***MODE/SET (Modo/ Configuración)***.
9. Presione el botón ***MODE/SET (Modo/ Configuración)***, para regresar a la pantalla de la hora actual. Si el código fue modificado, realice todas las configuraciones del temporizador. ***NOTA:*** *Si el control queda en una pantalla de diagnóstico o una pantalla titilante al configurar horarios o la dureza, la hora actual automáticamente regresa si no se presiona un botón dentro de los cuatro minutos.*

Servicio: Control de Recarga Avanzado en forma Manual

NOTA: La pantalla de control debe mostrar el horario de manera fija (no titilando).

1. Presione el botón **RECHARGE (Recarga)** y manténgalo presionado por tres segundos. **RECHARGE (Recarga)** comienza a titilar a medida que el sistema suavizante ingresa al ciclo de llenado de la recarga. Retire la tapa del pozo de salmuera y, usando una linterna, observe el agua al ingresar al tanque de salmuera. Si el agua no ingresa al tanque, busque una obstrucción en la boquilla, el venturi, el enchufe de flujo de llenado o la tubería de la salmuera. Consulte la sección Cuidado y Limpieza del Sistema Suavizante de Agua.

2. Luego de observar el llenado, presione el botón **RECHARGE (Recarga)** para que el sistema suavizante de agua pase al agregado de salmuera. Comenzará un flujo lento de agua hasta el drenaje. Verifique el ingreso de salmuera desde el tanque de salmuera iluminando con una linterna el pozo de salmuera y observando un descenso notorio del nivel de líquido durante un período de tiempo prolongado (hasta 20 minutos).

NOTA: Asegúrese de que un puente de sal no esté impidiendo que el agua tenga contacto con la sal. Consulte la sección Cuidado y Limpieza del Sistema Suavizante de Agua.

Si el sistema suavizante de agua no hace que ingrese salmuera, controle:

- Suciedad o defectos en la boquilla y/o el venturi.
- Defecto en el sellado de la boquilla y el venturi.
- La boquilla y el venturi no están correctamente sellados en la junta.
- Otro defecto de la válvula interna (sellado del rotor, rotor y disco, arandela ondulada, etc.).
- Drenaje restringido (controle el accesorio y la manguera de drenaje).

NOTA: Si el sistema de presión del agua es bajo, una manguera de drenaje elevado podrá ocasionar presión trasera, deteniendo el ingreso de salmuera.

3. Nuevamente, presione el botón **RECHARGE (Recarga)** para pasar del sistema suavizante de agua al lavado regresivo. Busque un flujo rápido de agua desde la manguera de drenaje. Un flujo lento indica que hay un distribuidor superior, una tapa de flujo de lavado regresivo o una manguera de drenaje atascados.

4. Presione el botón **RECHARGE (Recarga)** para pasar el sistema suavizante de agua al enjuague rápido. Nuevamente bosque un flujo de drenaje rápido. Deje que el sistema suavizante de agua se enjuague por unos minutos para descargar cualquier resto de salmuera en el tanque de resina de la evaluación del ciclo de agregado de salmuera.

5. Para hacer que el sistema suavizante de agua vuelva a funcionar, presione el botón **RECHARGE (Recarga).**

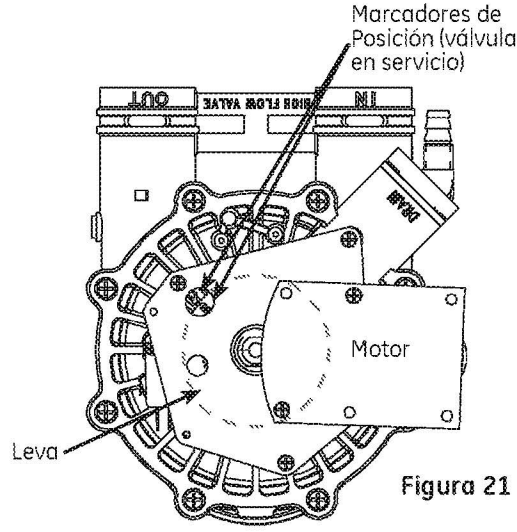
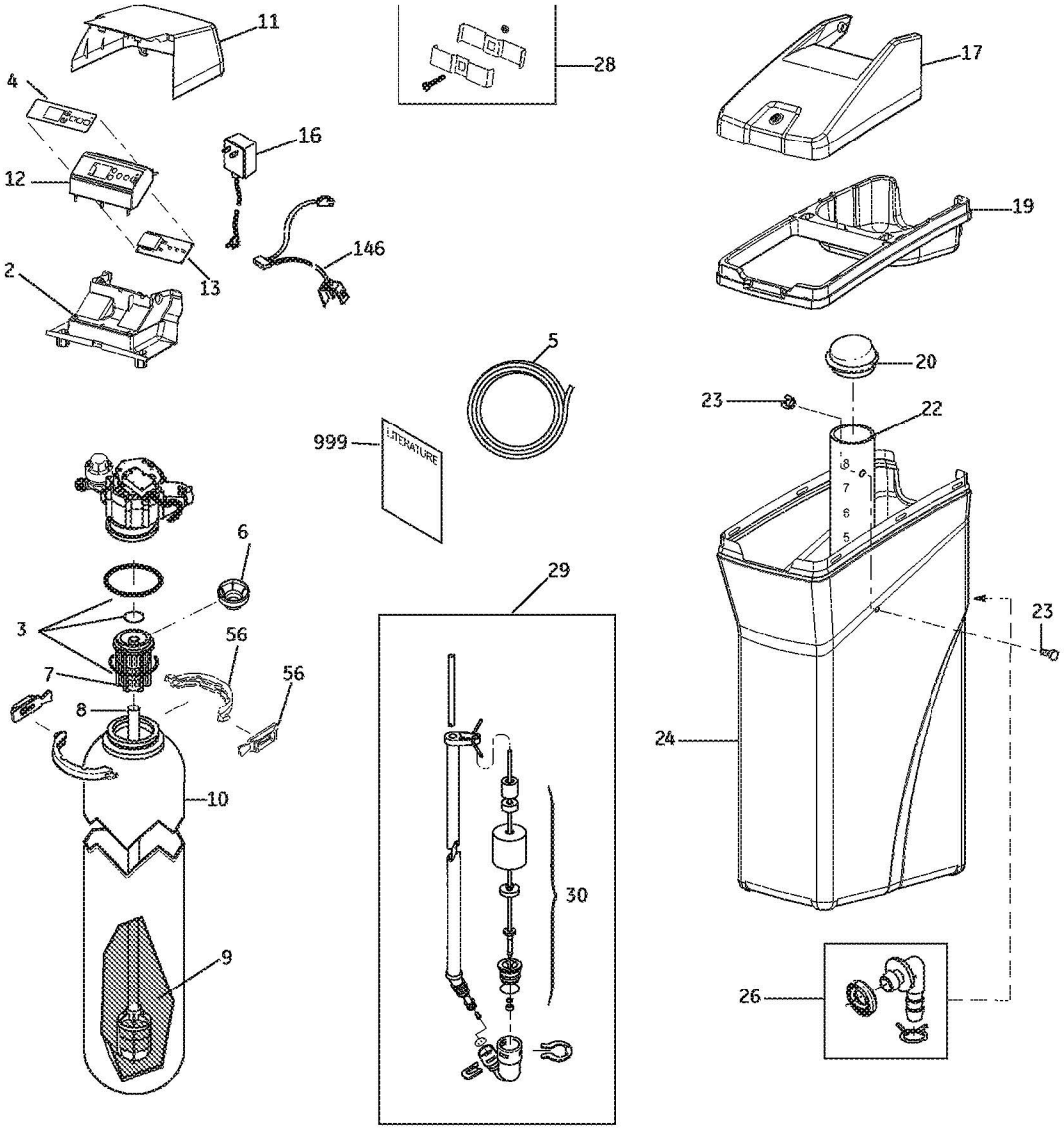


Figura 21

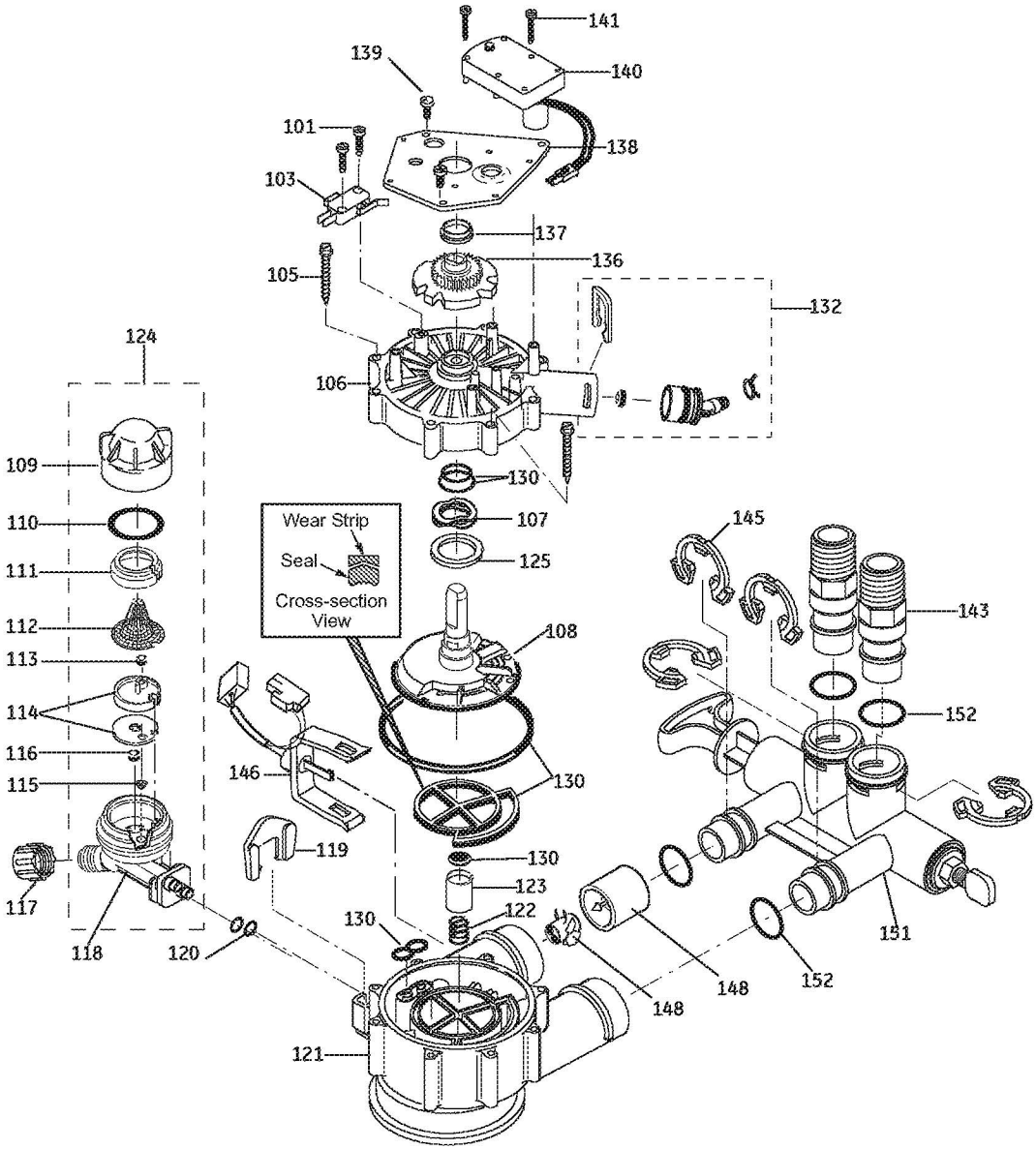
Posiciones de la Válvula:

Posición	Función
S	Servicio
F	Llenado
BR	Llenado de Salmuera
BW	Lavado Regresivo
R	Enjuague

Vista Expandida.



Vista Expandida.



Listado de Piezas.

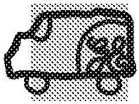
REF. NO.	GE PART NO.	PART DESCRIPTION	GXSH40V (00)	GXSH45V (00)
0002	WS31X10051	SOPORTE, PLACA	1	1
0003	WS35X10001	KIT DE SELLADO DE ANILLOS O	1	1
0004	WS34X10023	CALCOMANÍA, PLACA	1	1
0005	WS07X10004	MANGUERA, DRENAJE, 20 PIES	1	1
0006	WS31X10044	PANTALLA DE FILTRO		1
0007	WS14X10002	DISTRIBUIDOR, SUPERIOR	1	1
0008	WS14X10001	DISTRIBUIDOR, INFERIOR	1	1
0009	WS01X10009	RESINA, 1 PIE CÚBICO	1	1
0010	WS32X10011	TANQUE, RESINA 9X40	1	
0010	WS32X10018	TANQUE, RESINA 10X40		1
0011	WS31X10052	TAPA, SUPERIOR	1	1
0012	WS34X10021	PLACA	1	1
0013	WS21X10054	CONTROL	1	1
0016	WS26X10013	SUMINISTRO DE CORRIENTE EXTERNA SIN CABLE DE CORRIENTE	1	1
0017	WS31X10053	TAPA, AGUJERO DE SAL CON ETIQUETAS	1	1
0019	WS33X10010	BORDE	1	1
0020	WS31X10024	TAPA, POZO DE SALMUERA	1	1
0022	WS32X10017	POZO DE SALMUERA	1	1
0023	WS02X10088	KIT DE TORNILLOS. TANQUE DE SALMUERA	1	1
0024	WS32X10032	TANQUE, SALMUERA	1	1
0026	WS22X10063	KIT DEL ADAPTADOR PARA DESBORDES	1	1
0028	WS35X10035	KIT DEL SUJETADOR CON CONEXIÓN A TIERRA	1	1
0029	WS15X10077	ENSAMBLE DE LA VÁLVULA DE SALMUERA	1	1
0030	WS35X10063	FLOTADOR, CAÑA Y GUÍA	1	1
0056	WS28X10078	KIT DE LA CLAVIJA DEL CUELLO DEL TANQUE	1	1
0101	WS02X10023	TORNILLO	2	2
0103	WS21X10003	INTERRUPTOR	1	1
0105	WS02X10024	TORNILLO	8	8
0106	WS31X10013	TAPA, VÁLVULA	1	1
0107	WS03X10034	ARANDELA ONDULADA	1	1
0108	WS26X10010	ENSAMBLE DE ROTOR Y DISCO	1	1
0109	WS19X10004	TAPA, VENTURI	1	1
0110	WS03X10011	SELLO, ANILLO O	1	1

Listado de Piezas.

REF. NO.	GE PART NO.	PART DESCRIPTION	GXSH40V (00)	GXSH45V (00)
0111	WS19X10005	PANTALLA DE SOPORTE	1	1
0112	WS03X10013	PANTALLA	1	1
0113	WS22X10034	ENCHUFE DEL FLUJO, .10 GPM	1	
0113	WS22X10036	ENCHUFE DEL FLUJO, .15 GPM		1
0114	WS08X10006	JUNTA, BOQUILLA/ VENTILACIÓN	1	1
0115	WS03X10015	PANTALLA CÓNICA	1	1
0116	WS22X10021	ENCHUFE, FLUJO DE LLENADO .30 GPM	1	1
0117	WS03X10017	TUERCA DE REFUERZO	1	1
0118	WS15X10034	CUERPO DE BOQUILLA Y VENTURI	1	1
0119	WS03X10018	DISPOSITIVO DE RETENCIÓN	1	1
0120	WS03X10019	SELLO, ANILLO O 1/4" X 3/8"	2	2
0121	WS15X10025	CUERPO, VÁLVULA	1	1
0122	WS03X10020	RESORTE	1	1
0123	WS22X10022	ENCHUFE, SELLO DEL DRENAJE	1	1
0124	WS15X10027	ENSAMBLE DE BOQUILLA Y VENTURI	1	
0124	WS15X10036	ENSAMBLE DE BOQUILLA Y VENTURI		1
0125	WS03X10043	COJINETE ONDULADO	1	1
0130	WS35X10020	KIT DE SELLADO, 1"	1	1
0132	WS22X10065	KIT DEL ADAPTADOR DE LA MANGA DE DRENAJE	1	1
0136	WS26X10008	LEVA Y ENGRANAJE	1	1
0137	WS26X10009	COJINETE	1	1
0138	WS26X10023	PLACA, MOTOR 1"	1	1
0139	WS02X10028	TORNILLO, #6-20 X 3/8"	3	3
0140	WS26X10021	ENSAMBLE DEL MOTOR.	1	1
0141	WS02X10058	TORNILLO, #8-32 X 1"	2	2
0143	WS60X10011	ADAPTADOR – ROSCA NPT – VÁLVULA DE 1"	2	2
0145	WS60X10008	SUJETADOR	4	4
0146	WS28X10018	CABLE DEL HARNÉS, ENSAMBLE DE SENSOR, 1"	1	1
0148	WS26X10030	TURBINA Y SOPORTE ASM.*	1	1
0151	WS15X10026	ENSAMBLE DE DESVIACIÓN	1	1
0152	WS03X10072	SELLO, ANILLO O	4	4
0998	WS35X10049	KIT DE INSTALACIÓN	1	1
0999	49-50283-2	MANUAL DEL PROPIETARIO	1	1

* INCLUYE 2 del N° de REF. 145 (GANCHO) y N° de REF. 152 (ANILLO EN O)

Garantía del Sistema Suavizante de Agua de GE. *(Para clientes en EE.UU.)*



Todo el servicio de garantía es provisto por nuestros Centros de Servicio de Fabricación, o un técnico autorizado. Para solicitar el servicio técnico, llame al número gratuito 1-800-952-5039. Cuando llame para solicitar el servicio, tenga los números de serie y modelo disponibles.

Por el Período de:	*Reemplazaremos:*
Un Año *Desde la fecha de compra original.*	***Cualquier pieza*** del Sistema Suavizante de Agua que falle debido a un defecto en los materiales o la fabricación. Durante esta ***garantía limitada de un año,*** GE también proveerá, ***sin costo,*** todo el trabajo y el servicio relacionado con el reemplazo de la parte que presente defectos.
Tres Años *Desde la fecha de compra original.*	***El monitor electrónico,*** si fallara debido a un defecto en los materiales o la fabricación. Durante esta ***garantía limitada de tres años,*** usted será responsable por cualquier trabajo o costos relacionados con el servicio técnico.
Diez Años *Desde la fecha de compra original.*	***Un tanque de resina de reemplazo,*** si falla a defectos de materiales o en la fabricación. Durante este período de ***diez años de garantía*** limitada, usted sera responsable por cualquier mano de obra o costos de servicio relacionado.

Qué No Está Cubierto:

- **Viajes del técnico del servicio a su hogar para enseñarle sobre cómo usar el producto.**
- **Instalación, entrega o mantenimiento inadecuados.**
- **Fallas del producto en caso de abuso, mal uso, alteración, uso comercial o uso para propósitos diferentes al original.**
- **Uso de este producto donde el agua que no sea microbiológicamente segura o sea de calidad desconocida sin una desinfección adecuada, antes o después, del sistema.**
- **Reemplazo de fusibles de la casa o reinicio de disyuntores.**
- **Daños ocasionados sobre el producto por accidente, incendio, inundaciones o catástrofes naturales.**
- **Daños consecuentes o incidentales causados por posibles defectos sobre este producto, su instalación o reparación.**
- **Producto no accesible para brindar el servicio requerido.**
- **Si este electrodoméstico se usa con propósitos que exceden el uso familiar, la garantía de las piezas, el monitor electrónico y la garantía del tanque de resina se aplica sólo durante 90 días desde la fecha de adquisición.**

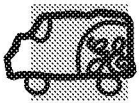
EXCLUSIÓN DE GARANTÍAS IMPLÍCITAS—Su única y exclusiva alternativa es la reparación del producto, como se indica en la Garantía Limitada. Las garantías implícitas, incluyendo garantías implícitas de comerciabilidad o conveniencia sobre un propósito particular, se limitan a un año o al período más corto permitido por la ley.

Esta garantía se extiende al comprador original y a cualquier dueño subsiguiente de productos comprados para uso hogareño dentro de EE.UU. Si el producto se encuentra en un área donde no se encuentra disponible un Proveedor Autorizado de Servicio Técnico de GE, usted será responsable por el costo de un viaje o se podrá requerir que traiga el producto a una Ubicación del Servicio Técnico de GE Autorizado para recibir el servicio. En Alaska, la garantía excluye el costo de envío o llamadas del servicio a su hogar.

Algunos estados no permiten la exclusión o limitación de daños fortuitos o consecuentes. Esta garantía le da derechos legales específicos y es posible que tenga otros derechos legales que varían entre un estado y otro. Para conocer cuáles son sus derechos legales, consulte a la oficina de asuntos del consumidor local o estatal o al Fiscal de su Estado.

Garante: General Electric Company. Louisville, KY 40225

Garantía del Sistema Suavizante de Agua de GE. *(Para Clientes en Canadá)*



Todo el servicio de garantía es provisto por nuestros Centros de Servicio de Fabricación, o un técnico autorizado. Para solicitar el servicio técnico, llame al número gratuito 1-866-777-7627. Cuando llame para solicitar el servicio, tenga los números de serie y modelo disponibles.

Por el Período de:	*Reemplazaremos:*
Un Año *Desde la fecha de compra original.*	***Cualquier pieza*** del Sistema Suavizante de Agua que falle debido a un defecto en los materiales o la fabricación. Durante esta ***garantía limitada de un año,*** GE también proveerá, ***sin costo,*** todo el trabajo y el servicio relacionado con el reemplazo de la parte que presente defectos.
Tres Años *Desde la fecha de compra original.*	***El monitor electrónico,*** si fallara debido a un defecto en los materiales o la fabricación. Durante esta ***garantía limitada de tres años,*** usted será responsable por cualquier trabajo o costos relacionados con el servicio técnico.
Diez Años *Desde la fecha de compra original.*	***Un tanque de resina de reemplazo,*** si falla a defectos de materiales o en la fabricación. Durante este período de ***diez años de garantía*** limitada, usted sera responsable por cualquier mano de obra o costos de servicio relacionado.

Qué No Está Cubierto:

- **Viajes del técnico del servicio a su hogar para enseñarle sobre cómo usar el producto.**
- **Instalación, entrega o mantenimiento inadecuados.**
- **Fallas del producto en caso de abuso, mal uso, alteración, uso comercial o uso para propósitos diferentes al original.**
- **Uso de este producto donde el agua que no sea microbiológicamente segura o sea de calidad desconocida sin una desinfección adecuada, antes o después, del sistema.**
- **Reemplazo de fusibles de la casa o reinicio de disyuntores.**
- **Daños ocasionados sobre el producto por accidente, incendio, inundaciones o catástrofes naturales.**
- **Daños consecuentes o incidentales causados por posibles defectos sobre este producto, su instalación o reparación.**
- **Producto no accesible para brindar el servicio requerido.**
- **Si este electrodoméstico se usa con propósitos que exceden el uso familiar, la garantía de las piezas, el monitor electrónico y la garantía del tanque de resina se aplica sólo durante 90 días desde la fecha de adquisición.**

EXCLUSIÓN DE GARANTÍAS IMPLÍCITAS—Su única y exclusiva alternativa es la reparación del producto, como se indica en la Garantía Limitada. Las garantías implícitas, incluyendo garantías implícitas de comerciabilidad o conveniencia sobre un propósito particular, se limitan a un año o al período más corto permitido por la ley.

Esta garantía se extiende al comprador original y a cualquier dueño subsiguiente de productos comprados para uso hogareño dentro de Canadá. El servicio técnico hogareño de la garantía será brindado en áreas donde Mabe se encuentre disponible y lo considere apropiado.

EL GARANTE NO ES RESPONSABLE POR CUALQUIER DAÑO CONSECUENTE.

Garante: MABE CANADA INC.

Certificado de California.

State of California
Department of Public Health

Water Treatment Device
Certificate Number
11 - 2108

Date Issued: September 16, 2011

Trademark/Model Designation — **Replacement Elements**
GXSH40V

Manufacturer: General Electric Company

The water treatment device(s) listed on this certificate have met the testing requirements pursuant to Section 116830 of the Health and Safety Code for the following health related contaminants:

Microbiological Contaminants and Turbidity

Inorganic/Radiological Contaminants
Barium
Radium

Organic Contaminants

Rated Service Capacity: n/a — **Rated Service Flow:** 0.5 gpm

Conditions of Certification:
Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

SÓLO PARA USO EN IOWA

Todas las ventas en Iowa requieren la siguiente firma antes de la consumación de la venta. Estas firmas deberán ser conservadas por el vendedor/ arrendatario por un mínimo de 2 años

Comprador/ Arrendatario _____ Fecha _____

Vendedor _____ Fecha _____

Domicilio del Vendedor _____

Nº Telefónico del Vendedor _____

Certificado de California.

State of California
Department of Public Health

Water Treatment Device
Certificate Number
11 - 2109

Date Issued: September 16, 2011

Trademark/Model Designation
GXSH45V

Replacement Elements

Manufacturer: General Electric Company

The water treatment device(s) listed on this certificate have met the testing requirements pursuant to Section 116830 of the Health and Safety Code for the following health related contaminants:

Microbiological Contaminants and Turbidity

Inorganic/Radiological Contaminants
Barium
Radium

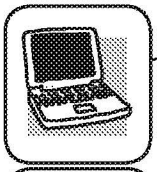
Organic Contaminants

Rated Service Capacity: n/a

Rated Service Flow: 9.5 gpm

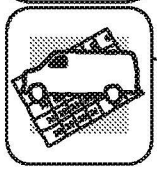
Conditions of Certification:
Do not use with water that is microbiologically unsafe or of unknown quality, without adequate disinfection before or after the system.

Soporte al Consumidor.



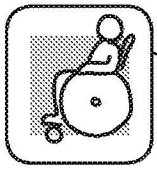
Página Web de GE Appliances — GEAppliances.com

¿Tiene alguna pregunta sobre su electrodoméstico? ¡Pruebe la página Web de GE Appliances 24 horas al día, cualquier día del año! Para mayor conveniencia y servicio más rápido, ya puede descargar los Manuales de los Propietarios o pedir piezas en línea.



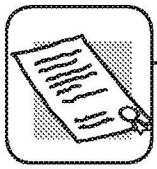
Solicite una reparación — GEAppliances.com

El servicio de expertos GE está a tan sólo un paso de su puerta. Llame al 800.GE.CARES (800.432.2737) durante horas normales de oficina para solicitar su reparación.



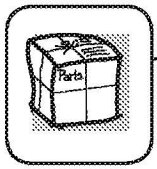
Real Life Design Studio (Estudio de diseño para la vida real) — GEAppliances.com

GE apoya el concepto de Diseño Universal—productos, servicios y ambientes que pueden usar gente de todas las edades, tamaños y capacidades. Reconocemos la necesidad de diseñar para una gran gama de habilidades y dificultades físicas y mentales. Para más detalles cobre las aplicaciones de GE Diseño Universal, incluyendo ideas de diseño para la cocina para personas con discapacidades, mire nuestra página Web hoy mismo. Para personas con dificultades auditivas, favor de llamar al 800.TDD.GEAC (800.833.4322).



Garantías ampliadas — GEAppliances.com

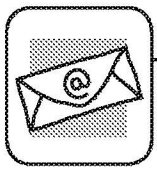
Compre una garantía ampliada y obtenga detalles sobre descuentos especiales disponibles mientras su garantía está aún activa. Puede comprarla en línea en cualquier momento, o llamar al (800.626.2224) durante horas normales de oficina. GE Consumer Home Services estará aún ahí cuando su garantía termine.



Piezas y accesorios — GEAppliances.com

Aquellos individuos con la calificación necesaria para reparar sus propios electrodomésticos pueden pedir que se les manden las piezas o accesorios directamente a sus hogares (aceptamos las tarjetas VISA, MasterCard y Discover). Haga su pedido en línea hoy, 24 horas cada día o llamar por teléfono al 800.626.2002 durante horas normales de oficina.

Las instrucciones descritas en este manual cubren los procedimientos a seguir por cualquier usuario. Cualquier otra reparación debería, por regla general, referirse a personal calificado autorizado. Debe ejercerse precaución ya que las reparaciones incorrectas pueden causar condiciones de funcionamiento inseguras.



Póngase en contacto con nosotros — GEAppliances.com

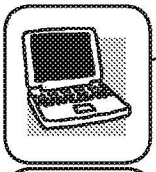
Si no está satisfecho con el servicio que recibe de GE, póngase en contacto con nosotros en nuestra página Web indicando todos los detalles así como su número de teléfono o escríbanos a:

General Manager, Customer Relations
GE Appliances, Appliance Park
Louisville, KY 40225

Registre su electrodoméstico — GEAppliances.com

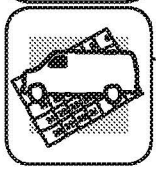
¡Registre su nuevo electrodoméstico en línea—cuando usted prefiera! El registrar su producto a tiempo le proporcionará, si surgiera la necesidad, una mejor comunicación y un servicio más rápido bajo los términos de su garantía. También puede enviar su tarjeta de registro pre-impresa que se incluye en el material de embalaje.

Consumer Support.



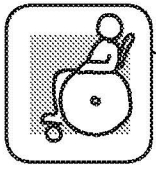
GE Appliances Website — GEAppliances.com

Have a question or need assistance with your appliance? Try the GE Appliances Website 24 hours a day, any day of the year! For greater convenience and faster service, you can now download Owner's Manuals or order parts online.



Schedule Service — GEAppliances.com

Expert GE repair service is only one step away from your door. Schedule your service at your convenience by calling 800.GE.CARES (800.432.2737) during normal business hours.

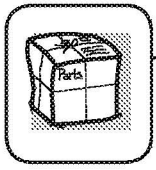


Real Life Design Studio — GEAppliances.com

GE supports the Universal Design concept—products, services and environments that can be used by people of all ages, sizes and capabilities. We recognize the need to design for a wide range of physical and mental abilities and impairments. For details of GE's Universal Design applications, including kitchen design ideas for people with disabilities, check out our Website today. For the hearing impaired, please call 800. TDD.GEAC (800.833.4322).

Extended Warranties — GEAppliances.com

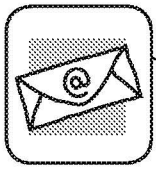
Purchase a GE extended warranty and learn about special discounts that are available while your warranty is still in effect. You can purchase it on-line anytime, or call 800.626.2224 during normal business hours. GE Consumer Home Services will still be there after your warranty expires.



Parts and Accessories — GEAppliances.com

Individuals qualified to service their own appliances can have parts or accessories sent directly to their homes (VISA, MasterCard and Discover cards are accepted). Order on-line today, 24 hours every day or by phone at 800.626.2002 during normal business hours.

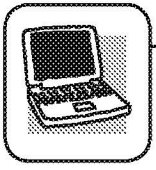
Instructions contained in this manual cover procedures to be performed by any user. Other servicing generally should be referred to qualified service personnel. Caution must be exercised, since improper servicing may cause unsafe operation.



Contact Us — GEAppliances.com

If you are not satisfied with the service you receive from GE, contact us on our Website with all the details including your phone number, or write to:

General Manager, Customer Relations
GE Appliances, Appliance Park
Louisville, KY 40225



Register Your Appliance — GEAppliances.com

Register your new appliance on-line—at your convenience! Timely product registration will allow for enhanced communication and prompt service under the terms of your warranty, should the need arise. You may also mail in the pre-printed registration card included in the packing material, or detach and use the form in this Owner's Manual.

WaterBoss®
water filter

MODELS 900IF, 900CF, AND 900NF

OWNER'S MANUAL AND INSTALLATION GUIDE

VERSION 7.2

10 Year Limited Warranty

To Whom Warranty Is Extended

This warranty is issued to the original owner at the original location site and is not transferable to other sites or to subsequent owners of the system.

TO PLACE THE EQUIPMENT UNDER WARRANTY, THE WARRANTY REGISTRATION CARD MUST BE COMPLETED AND RETURNED BY THE ORIGINAL OWNER TO **WaterBoss®** WITHIN 30 DAYS OF INSTALLATION.

Coverage

This limited warranty covers the **WaterBoss®** system delivered to the original owner at the original location when the system is purchased for personal, family, or household use. It is intended to cover defects occurring in workmanship or materials or both.

Warrantor's Performance and Length of Limited Warranty

WaterBoss® warrants that upon receipt from the original owner of any mechanical or electronic part which is found to be defective in materials or workmanship, **WaterBoss®** will repair or replace the defective item for 3 years from date of original installation. Filter media is not warranted.

WaterBoss® further warrants that upon receipt from the original owner of any **WaterBoss®** media tank/valve body, brine cabinet, found to be defective in material or workmanship, **WaterBoss®** will repair or replace the defective item for 10 years from date of original installation.

All defective parts must be returned, along with the equipment serial number and date of original installation, to **WaterBoss®** PREPAID, and replacement parts will be returned by **WaterBoss®** to the original owner FREIGHT COLLECT.

Further Exclusions and Limitations on Warranty

THERE ARE NO WARRANTIES OTHER THAN THOSE DESCRIBED IN THIS WARRANTY INSTRUMENT.

This warranty does not cover any service call or labor costs incurred with respect to the removal and replacement of any defective part or parts. **WaterBoss®** will not be liable for, nor will it pay service call or labor charges incurred or expended with respect to this warranty.

In the event the water supply being processed through this product contains sand, bacterial iron, algae, sulphur, tannins, organic matter, or other unusual substances, then, unless the system is represented as being capable of handling these substances in the system specifications, other special treatment of the water supply must be used to remove these substances before they enter this product. Otherwise, **WaterBoss®** shall have no obligations under this warranty.

This warranty does not cover damage to a part or parts of the system from causes such as fire, accidents, freezing, or unreasonable use, abuse, or neglect by the owner.

This warranty does not cover damage to a part or parts of the system resulting from improper installation. All plumbing and electrical connections should be made in accordance with all local codes and the installation instructions provided with the system. The warranty does not cover damage resulting from use with inadequate or defective plumbing; inadequate or defective water supply or pressure; inadequate or defective house wiring; improper voltage, electrical service, or electrical connections; or violation of applicable building, plumbing, or electrical codes laws, ordinances, or regulations.

THIS WARRANTY DOES NOT COVER INCIDENTAL, CONSEQUENTIAL, OR SECONDARY DAMAGES.

ANY IMPLIED WARRANTIES ON THE PRODUCT DESCRIBED IN THIS WARRANTY WILL NOT BE EFFECTIVE AFTER THE EXPIRATION OF THIS WARRANTY.

No dealer, agent, representative or other person is authorized to extend or expand this limited warranty.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Claims Procedures

Any defects covered by this warranty should be promptly reported to:

WaterBoss®
4343 South Hamilton Road
Groveport, Ohio 43125

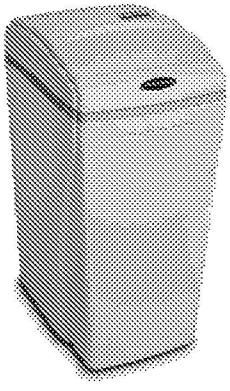
When writing about the defects, please provide the original owner's name, telephone number, and original address, serial number and model number of the product, and date of purchase. (This information should be listed in General Information at the front of this manual.) **WaterBoss®** reserves the right to replace defective parts with exact duplicates or their equivalent.

Call the HelpLine, 1-800-437-8993, for Return Information from 8 a.m. to 5 p.m. EST. The HelpLine fax number is (614) 836-9876.

Contents

General Information 4
Getting Maximum Efficiency From the Appliance 5
Checklist Before Installation 6
Installation Steps and Start-Up Procedures 8
Start-Up Procedures—900CF Carbon Filter 15
Start-Up Procedures—900NF Acid Neutralizing Filter 16
Start-Up Procedures—900IF Iron Filter 17
Setting the Controller 19
900NF Acid Neutralizing Filter Replenishment Procedure 20
Assembly and Parts 22
Troubleshooting 32
Filter Specifications 34

General Information



Congratulations on choosing a superior **WaterBoss®** water treatment appliance! Soon you and your family will be enjoying clean, clear water. Use this guide to attain the maximum benefit from your appliance. Keep it handy for a reference guide and service log. If you have trouble with the operation of your appliance, see *Troubleshooting* in the back of this manual or contact the HelpLine: 1-800-437-8993 from 8 a.m. to 5 p.m. EST. The HelpLine fax number is (614) 836-9876. Help is also available on the WaterBoss website: www.waterboss.com.

The HelpLine is available to answer questions about specific water problems, appliance installation, and operation. When calling the HelpLine, please have this guide and the serial number of your appliance available.

WaterBoss®
4343 S. Hamilton Rd.
Groveport, OH 43125

Warning: This appliance must be applied to potable water only.

Note: The manufacturer reserves the right to make specification and product changes without prior notice.

This manual is for installation, operation, and maintenance of the following water conditioning appliance models:

- WaterBoss® 900IF
- WaterBoss® 900CF
- WaterBoss® 900NF

For Owner's Reference

Date of Installation: _____

Model Number: _____

Serial Number[1]: _____

Hardness: _____

Iron: _____

pH: _____

Water Pressure: _____

Water Temp: _____

Returned Warranty Card Date[2]: _____

[1] The serial number is located underneath the valve cover.
[2] Completely fill out the Warranty Card and return it by mail to ensure that the appliance is registered with the factory and the warranty becomes validated.

Getting Maximum Efficiency From the Appliance

To achieve the maximum benefit and performance from this appliance, familiarize yourself with this manual and the appliance.

1. Should your electricity be off for any reason, check your controller for the correct time and reset as necessary (See *Setting the Controller*).
2. Program the appliance to regenerate at a time when the water is not being used. If there is more than one appliance, allow two hours between each regeneration. For optimum performance, program the water softener to regenerate first followed by any filter.
3. If dirt, sand, or large particles are present in the water supply, the appropriate **WaterBoss®** filter can eliminate this problem.
4. Protect the appliance, including the drain line, from freezing.
5. The bypass valve (located on the main control valve) enables you to bypass the appliance if any work is being performed on the appliance, well pump, or plumbing. See *Bypass Valve*. Use Bypass position also for watering plants or lawns with untreated water.
6. Before putting the appliance back in service after work has been performed, turn on the nearest cold water tap until water runs clear.
7. Adhere to all operational, maintenance, and placement requirements.
8. Potassium permanganate will need to be added periodically to any iron filter.

Checklist Before Installation

Refer to this checklist before installation.

❒ **Water Quality**—If the water supply contains sand, sulfur, bacteria, iron bacteria, tannins, algae, oil, acid, or other unusual substances, consider pre-treating the water to remove these contaminants before the water supply enters the appliance, unless the appliance is represented as being capable of treating these contaminants in its specifications.

The appropriate **WaterBoss®** Water Filter can address these water shortcomings.

- **Model 900IF (Iron Filter)**–Reduces iron, manganese, hydrogen sulfide, and iron bacteria.
- **Model 900CF (Carbon Filter)**–Reduces chlorine taste and odor.
- **Model 900NF (Acid Neutralizing filter)**–Adjusts low pH water to a non-corrosive state.

A **WaterBoss®** Water Softener Model 700 or 900 is highly recommended when using a **WaterBoss®** filter.

❒ **Iron**—A common problem found in many water supplies is iron. It is important to know what type of and how much iron is in the water supply.

Iron Type	Description
Ferrous Iron (sometimes called clear water or dissolved iron)	Only type of iron that can be treated with a water softener
Ferric Iron	Insoluble and the particles can eventually foul a resin bed. It should be filtered out before the water reaches the softener
Organic Iron or Bacterial Iron	Attached to other organic compounds in the water. Additional treatment is needed to remove this type of iron
Colloidal Iron	Not dissolved, yet stays in suspension. A softener cannot remove this type of iron

❒ **Water Characteristics**—Model 900IF Iron Filter requires a pH of 7 or above to function properly. An iron test to determine iron levels is also necessary. The 900NF Acid Neutralizing Filter adjusts pH levels of 6.3 or above.

❒ **Water Pressure**—Not less than 30 psi or greater than 120 psi (2.1–8.4 bar) constant for **WaterBoss®** filters. If water pressure exceeds 70 psi (4.8 bar), a pressure regulator is recommended.

❒ **Water Supply Flow Rate**—A minimum of 5 gallons per minute or equal to the backwash flow rate of the particular model is recommended. For the purposes of plumbing sizing, only the rated service flow rate and corresponding pressure loss may be used. Prolonged operation of a water filter at flow rates exceeding the tested service flow rate may compromise performance.

❒ **Water Temperature**—Not less than 40° or greater than 120°F (4°–49°C). For 900IF Iron Filter, do not exceed 80°F (27°C).

❒ **Drain**—Drain the appliance to an appropriate drain, such as a floor drain or washer drain that will comply with all local and state plumbing codes. To prevent back-siphoning, provide an adequate air gap or a siphon break. See *Installation Steps and Start-Up Procedures*.

❒ **Electricity**—The transformer supplied is for a standard 120 volt, 60-cycle AC outlet for locations in North America or 220 volt, 50-cycle AC outlet for locations outside North America.

If you have any questions, call the HelpLine. See *General Information* at the front of the manual for information about the HelpLine.

Precautions

Do

1. Comply with all state and local, building, plumbing, and electrical codes.
2. Test your water quality with the strips, if provided. Optionally, obtain a report on your water's quality.
3. Install the appliance before the water heater.
4. Install the appliance after the pressure tank on well-water installations.
5. Examine the inlet line to ensure water will flow through it freely and that the inlet pipe size is sized correctly. For well water with iron, the recommended minimum inlet pipe size is 3/4-inch I.D. and for municipal water the recommended minimum inlet pipe size is 1/2-inch I.D.
6. Install a pressure-reducing valve if the inlet pressure exceeds 70 psi (4.8 bar).
7. Install a gravity drain on the cabinet.
8. Secure the drain line on the appliance and at the drain outlet. See *Installation Steps and Start-Up Procedures*.
9. Allow a minimum of 8 to 10 feet (2.4 to 3.0 m) of 3/4-inch pipe from the outlet of the appliance to the inlet of the water heater.

Do Not

1. Do not install if checklist items are not satisfactory. See *Checklist Before Installation*.
2. Do not install if the incoming or outlet piping water temperature exceeds 120°F (49°C) for models 900CF and 900NF or 80°F (27°C) for model 900IF. See *Specifications*.
3. Do not allow soldering torch heat to be transferred to valve components or plastic parts when using the optional copper adapters.
4. Do not overtighten the plastic fittings.
5. Do not plumb the appliance against a wall that would prohibit access to plumbing. See *Installation Steps and Start-Up Procedures*.
6. Do not install the appliance backward. Follow the arrows on the inlet and outlet.
7. Do not plug the transformer into an outlet that is activated by an On/Off switch.
8. Do not connect the drain and the overflow (gravity drain) lines together.
9. Do not use to treat water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the appliance.
10. Do not allow your appliance or drain line to freeze.

Installation Steps and Start-Up Procedures

The water filter is capable of treating a combination of undesirable constituents (such as iron, dirt, sediment, and chlorine) in water. See *Specifications* for the capabilities of your appliance. Install, set up, and use the appliance within the operating limits outlined in this manual. Failure to comply with these specifications may decrease the effectiveness of the backwash and cause control valve malfunction. The water filter, like any other appliance, requires correct installation and setting for optimum performance.

Each water treatment appliance includes water test strips, eight feet of drain line, and a drain fitting.

Step 1

Prepare the Placement Area

A. Make sure the placement area is clean.

B. Turn off the electricity and water supply to the water heater. For gas water heaters, turn the gas cock to "Pilot."

C. Examine the inlet plumbing to ensure that the pipe is not plugged with lime, iron, or any other substance. Clean or replace plugged plumbing.
Note: A minimum 3/4-inch pipe is required between the pressure tank and the appliance for the appliance to function properly.

D. Make sure the inlet/outlet and drain connections meet the applicable state and local codes.

E. Check the arrows on the bypass valve to ensure that the water flows in the proper direction. See *Bypass Valve.*
Caution: Do not plumb the appliance in backward.

F. Place the appliance in the desired location using Figure 1 as a guide. The diagram in Figure 1 applies to basement, slab, crawl space, and outside installations.

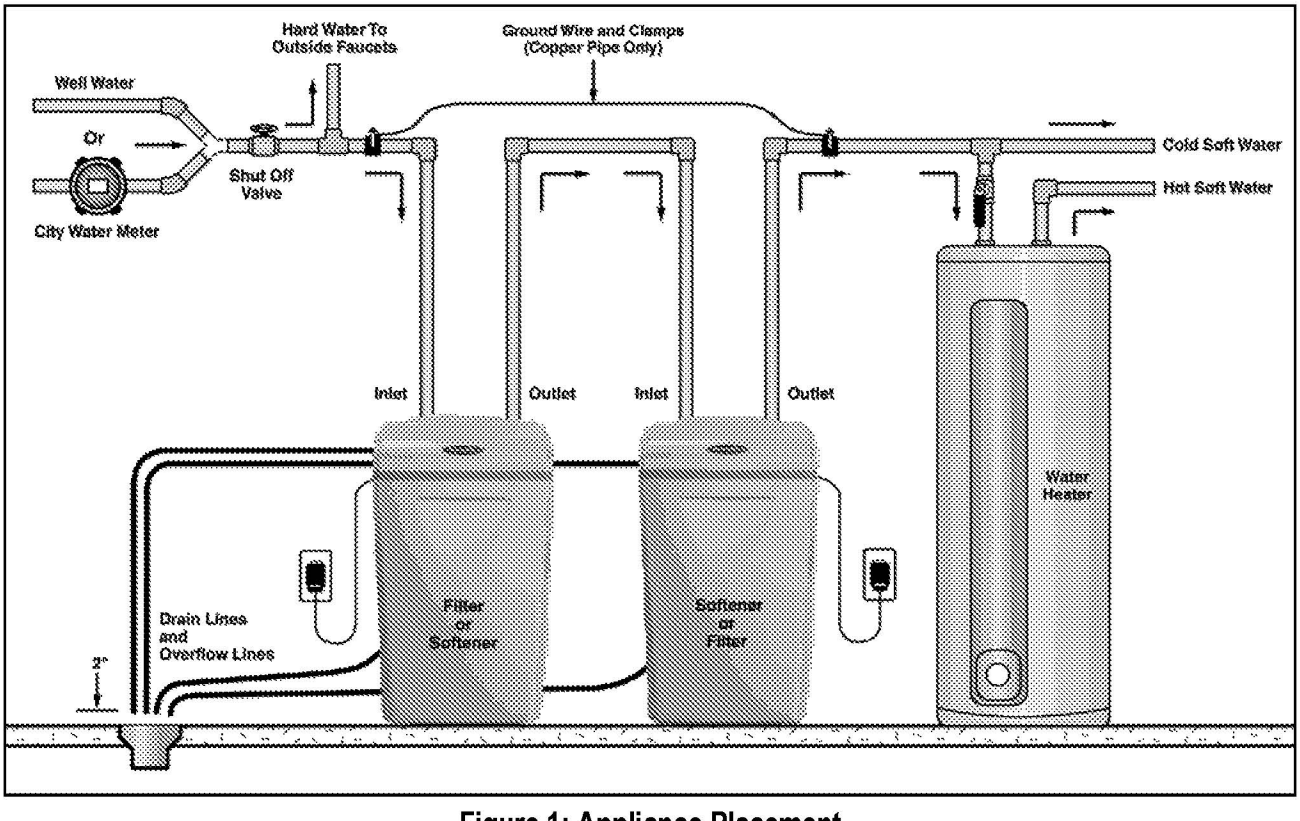


Figure 1: Appliance Placement

G. For most installations, install the appliance after the pressure tank or water meter and before the water heater unless otherwise recommended. When installing the 900CF Carbon Filter for well water, place the filter after any water softener appliance unless otherwise recommended. Contact the HelpLine for further assistance in determining the proper installation sequence.
Water Heaters: If less than 10 feet (3.0 m) of pipe connects the water treatment appliance(s) to the water heater, install a check valve between the water treatment appliance and the water heater as close to the water heater as possible. Ensure that the water heater has an adequately rated temperature and pressure safety relief valve.

H. For outside installations, the appliance should be enclosed so it is protected from the weather.

Step 2

Test Your Water

A. Contact your water treatment specialist or obtain a report on your water's quality. Optionally, use the test strips provided.

Step 3

Turn Off Water Supply

A. Turn off the water supply.

B. Open the hot and cold water taps to depressurize the lines.

Step 4

Connect Water Lines

Qest fittings are provided to facilitate installation, but their use is not required. Be sure to read the *Plastic (PVC/CPVC) Pipe Joining Procedure*, if using PVC/CPVC.

Step 4A: Using Qest Fittings

A. Lift and remove the valve cover. (Lift back first)

B. Install Qest fittings. Qest connection fittings are provided with your appliance. Qest fittings provide a convenient, easy-to-use three-piece assembly for 3/4-inch copper plumbing or 3/4-inch CTS CPVC plastic tubing (copper is shown in Figure 2). Ensure that the three components (1: collar, 2: metal retaining ring, and 3: nylon sleeve) are correctly installed in sequence on the pipe. (See Figure 2.)
Note: Teflon tape or plumber's putty is NOT necessary and should NOT be used with Qest fittings.

C. Attach the water lines to the appliance in compliance with all applicable building, plumbing, and electrical codes. (See Figure 3.) Do NOT overtighten the connections on the plastic threads.

D. Check the arrows on the bypass valve to ensure that the water flows in the proper direction.
Caution: Do NOT plumb your appliance in backward.

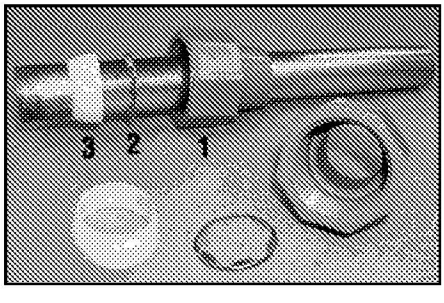


Figure 2: Qest Fittings

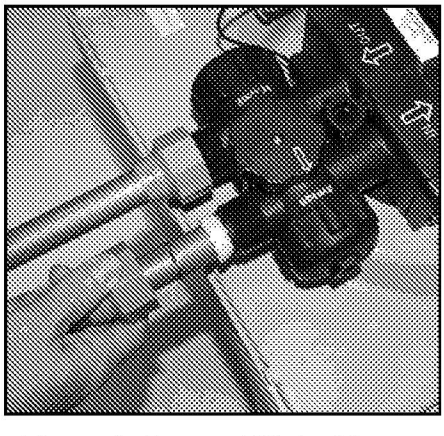


Figure 3: Connect Water Lines. Note the Bypass Valve.

Step 4B: (Optional) Hard Plumbing With Copper Fittings

Figure 4: Plumbing Connections

When preparing the male threaded fittings of the I/O adapter, use the following guidelines to avoid damage to the plastic pipe threads.

A. Wrap the threads three times with 1/2-inch (2.5-cm) wide Teflon tape. Place each consecutive wrap on top of the previous wrap.

B. To prevent tearing of the tape, use Teflon paste on the first two male threads only. The paste lubricates the tape and fills the small void areas that might exist between the threads. When the joint is complete, there will be a small bead of sealant at the fitting interface, which indicates a properly joined connection.

C. Use a union with a threaded connection to facilitate repair of potential leaks in soldered joints.

D. Prepare the copper tail assemblies in advance to enable them to cool prior to final assembly. Advance preparation and cooling will prevent heat damage to the plastic pipe threads of the adapter.

E. Ensure that the copper tube is at least 4 inch (10 cm) long.

F. Turn the fitting counterclockwise until you feel the threads engage and then tighten to prevent cross threading. Do NOT overtighten the fittings.
Caution: Do NOT allow heat from the torch to transfer to the plastic valve component, which could be damaged.

Plastic (PVC/CPVC) Pipe Joining Procedure

To ensure reliable joint integrity when using solvent cement for PVC/CPVC plumbing, follow these recommendations:

A. **Cutting**—The pipe must be cut square to allow for the proper interfacing of the pipe end and the fitting socket bottom. Use a wheel cutter, miter saw, or a ratchet shear for best results.

B. **Deburring and Beveling**—Use a knife, plastic pipe deburring tool, or a file to remove burrs from the end of the pipe. Be sure to remove all burrs from the inside as well as the outside of the pipe. Remove all loose plastic debris since it could clog the injector. All pipe ends should be beveled to permit easier insertion of the pipe into the fitting. Failure to bevel the pipe end may cause a "wiping" effect in the fitting where the cement is forced to the end of the fitting socket. This creates a weak joint.

C. **Test Dry Fit of the Joint**—Tapered fitting sockets are designed so that an interference fit should occur when the pipe is inserted about one-third to two-thirds of the way into the socket. Occasionally, when pipe and fitting dimensions are at the tolerance extremes, it will be possible to fully insert dry pipe to the bottom of the fitting socket. When this happens, a sufficient quantity of cement must be applied to the joint to fill the gap between the pipe and fitting.

D. **Inspection, Cleaning, and Priming**—Inspect the inside of the pipe and fitting sockets and remove dirt, grease, or moisture with a clean dry cloth. If wiping fails to clean the surfaces, use a chemical cleaner. Check for possible damage such as splits or cracks and replace if necessary. Use purple primer to penetrate and soften the bonding surfaces of the PVC or CPVC pipe and fittings. Proceed without hesitation to the cementing procedure while the primed surfaces are still wet.

E. **Application of Solvent Cement**—Apply the solvent cement evenly and quickly around the outside of the pipe while the primer is still wet. Apply a light coat of cement evenly around the inside of the fitting socket. Do not allow excess cement to "puddle" in the fitting. Apply a second coat of cement to the pipe end.

F. **Joint Assembly**—Working quickly, insert the pipe into the fitting socket and give a 1/4-turn of the pipe or fitting while pushing toward the fitting stop. This action will evenly distribute the cement. Do NOT continue to rotate the pipe or fitting after the stop has been reached. Hold the joint tightly together for about 15 seconds to prevent the pipe from "creeping" out of the fitting. A good joint will have sufficient cement to make a small bead all the way around the outside of the fitting hub. The joint should not be disturbed immediately after the cementing procedure. Allow adequate time for the joint to cure properly. Exact drying time is hard to predict because of environmental variables. Follow the recommended joint curing times on the primer and cement container labels.

Step 5

Connect Gravity Overflow Connection

The overflow line drains away excess water should the tank fill with too much water or the appliance malfunction.

A. Attach the overflow connection and check that it is in the down position. (See Figure 5.)

B. Connect 1/2-inch (12.7 mm) I.D. tubing (size cannot be reduced) between the overflow connection and a suitable floor drain, laundry tub, or other suitable waste receptor. This tubing is not supplied with the appliance. Ensure that the overflow line ends at a drain that is at least 3 inches (76 mm) lower than the bottom of the overflow fitting. Maintain a minimum of 2-inch (50-mm) air gap. The gravity line cannot be run overhead.

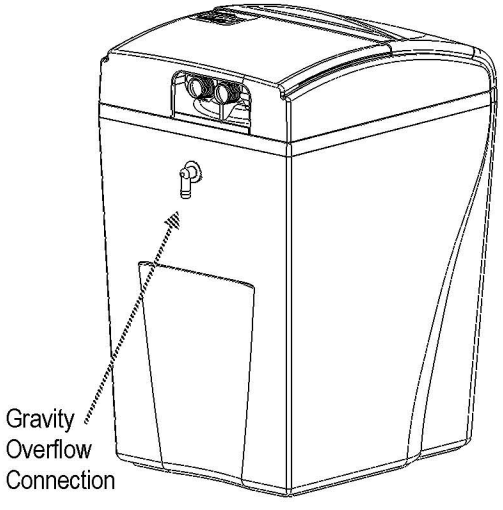


Figure 5: Gravity Overflow Connection

Step 6

Connect Drain Line

The drain line carries away the backwash water as part of the regeneration cycle.

A. Connect the drain line to the drain end cap (See Figure 6) with a minimum 5/8-inch I.D. tubing (supplied). The size cannot be reduced.
Note: Screw the drain fitting into the drain end cap.

B. Route the drain line to a floor drain, laundry tub, or other suitable waste receptor. Maintain a minimum 2-inch (50-mm) air gap between the drain line and the flood level rim of the waste receptor to prevent back-siphoning. This drain line should make the shortest run to the suitable drain.

C. The drain line may be elevated up to 8 feet (2.4 m) from the discharge on the appliance as long as the water pressure in your system is 40 psi (2.8 bar) or more.

D. If the drain line is 25 feet (7.6 m) or longer, increase the drain line to 3/4-inch (19-mm) I.D. The end of the drain line must be equal to or lower in height than the control valve. All overhead drains for filter installations must be 3/4-inch (19-mm) I.D.
Caution: The drain line must not be kinked, crimped, or restricted in any way.

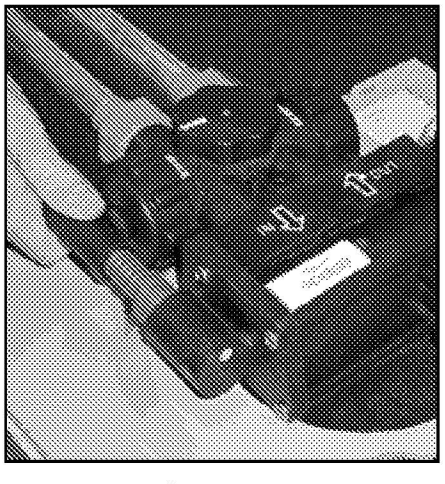


Figure 6: Connect Drain Line

Step 7

Flush Lines

A. Place the appliance in the Bypass position. (See Figure 7.) The bypass valve can isolate the appliance should the system malfunction or leak. The bypass valve enables you to use untreated water for watering plants, shrubs, or lawns. To engage the bypass
   1. Locate the dial-shaped knob located on the rear of the main control valve.
   2. Turn the knob counter-clockwise until it stops and the arrow points to "Bypass." The appliance will be bypassed, and all water to the home is raw, untreated water.

B. Turn on the main water supply.

C. Open the nearest cold water faucet to flush the plumbing of any excess soldering flux, air, or any other foreign material.

D. Return the appliance to Service position. Turn the knob clockwise until it stops and the arrow points to "Service." (See Figure 8.)
Note: To prevent untreated water from entering your home, avoid using water inside your home when the appliance is in Bypass position. Remember to return the appliance to Service position when you have finished using untreated water.

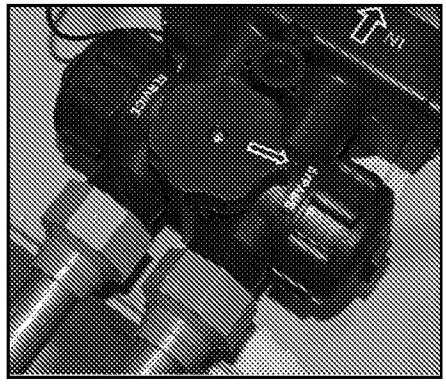


Figure 7: Bypass Position

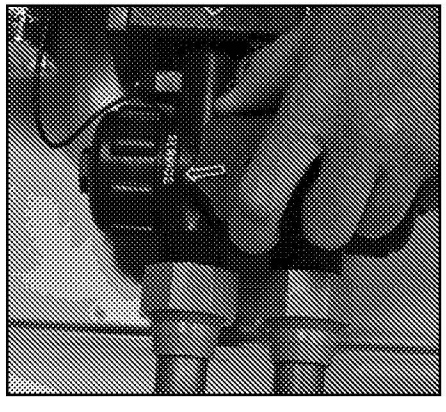


Figure 8: Service Position

Step 8

Check for Leaks

A. Close all faucets.

B. Check all lines and connections for leaks. If leaks are found:
   1. Turn off the main water supply.
   2. Open a cold water faucet to depressurize the lines.
   3. Close the faucet to eliminate any siphoning action.
   4. Repair all leaks.
   5. Place the appliance in the Service position to slowly fill the media tank. (See Figure 8.)
   6. Open a cold water faucet to purge air out of the media tank.
   7. Close the faucet and recheck for leaks.

C. Replace valve cover. (Hook front first, then push down back to lock in place.)

Step 9

Complete the Installation

A. Connect the transformer power cord to the back of the controller.
B. Ensure that the appliance is in the Service position. See Figure 8.
C. Ensure the water supply is on.
D. Turn on the electricity and water supply to the water heater. For gas water heaters, return the gas cock to "On."
E. Open a cold water tap and allow the appliance to flush for 20 minutes or until approximately 72 gallons have passed through the appliance. This procedure is required to meet NSF requirements. Verify the flow rate on the controller, which indicates water flow. See Figure 9.
F. Replace the cabinet cover.

Note: The next step is Start Up. Start-up procedures are provided for each of the following appliances:

- 900IF Iron Filter
- 900CF Carbon Filter
- 900NF Acid Neutralizing Filter

Be sure to follow the Start-Up Procedure for your specific appliance.

Start-Up Procedures—900CF Carbon Filter

Important

The **WaterBoss®** 900CF Carbon Filter is capable of treating a combination of undesirable constituents (chlorine, taste, and odor) in water. Install, set up, and use the filter within the operating limits outlined in this manual. Failure to comply with these specifications may decrease the effectiveness of the backwash and cause control valve malfunction.

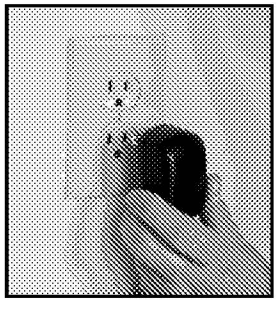
Step 1

Soak the Carbon Filter Media

The granular activated carbon in the filter has been shipped dry. The filter media must soak for 24 hours to prevent media loss to the drain during backwash. To soak the filter media, wait for 24 hours after completing the eight-step installation procedures as described in Installation Steps before you plug in the transformer or use the appliance.

Step 2

Plug in the Transformer



A. After 24 hours, plug the transformer into an appropriate outlet. The transformer is 120 volt, 60 cycle AC for locations in North America or 220 volt, 50 cycle AC for locations outside North America.

B. Ensure that the outlet selected is NOT operated by an On/Off switch.

Step 3

Program the Regeneration Cycle

To ensure reliable performance and optimum efficiency, program the regeneration cycle (backwash) to occur every one to four days based on local conditions. On the controller, set the frequency and time of day for regeneration to occur. Follow the instructions provided in *Setting the Controller*.

Step 4

Start the Regeneration Cycle

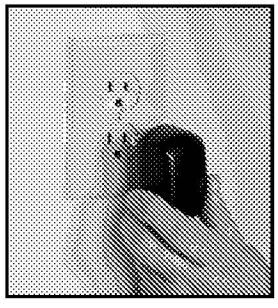
A. Press and hold the Regenerate button until the controller indicates 01 (flashing).The regeneration cycle begins.

B. Regeneration is complete after seven minutes and the appliance is returned to Service position. The controller will display 01 to 04. This number is the days until the next regeneration.

Start-Up Procedures—900NF Acid Neutralizing Filter

Important

The **WaterBoss®** 900NF Acid Neutralizing Filter is capable of elevating a low pH condition (acid) in your water. Install, set up, and use the filter within the operating limits outlined in this manual. Failure to comply with these specifications may decrease the effectiveness of the backwash and cause control valve malfunction.



Step 1

Plug in the Transformer

A. Plug the transformer into an appropriate outlet.

B. Ensure that the outlet selected is NOT operated by an On/Off switch.

Step 2

Program the Regeneration Cycle

To ensure reliable performance and optimum efficiency, program the regeneration cycle (backwash) to occur every one to two days based on local conditions. On the controller, set the frequency and time of day for regeneration to occur. Follow the instructions provided in *Setting the Controller*.

Step 3

Start the Regeneration Cycle

Before placing the filter in service, backwash the filter to remove fine media particles in the filter bed. To backwash the filter, start the regeneration cycle as follows:

A. Press and hold the Regenerate button until the controller indicates 01 (flashing). The regeneration cycle begins.

B. Regeneration is complete after seven minutes, and the appliance returns to Service position. The controller will display a 01 or 02. This number is the days until the next regeneration.

Step 4

Adjust Water Softener Hardness Setting

Typically, hardness will increase by two to four grains after passing through the neutralizing filter (0.13–0.26 grams). If you have a water softener, after implementing the start-up steps for the acid neutralizing filter:

A. Test the hardness of the water before it enters the water softener.

B. Reset the hardness setting appropriately on the water softener.

Note: The appliance requires periodic (annual) replenishment of the neutralizing media that adjusts the pH level of the water. See *900NF Acid Neutralizing Filter Replenishment Procedure*.

Start-Up Procedures—900IF Iron Filter

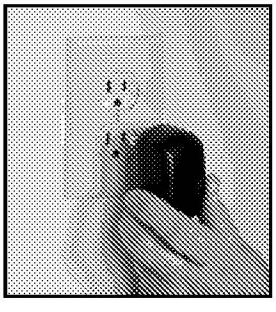
Important

The **WaterBoss®** 900IF Iron Filter is capable of treating a combination of undesirable constituents (iron, manganese, and/or hydrogen sulfide) in water. Install, set up, and use the filter within the operating limits outlined in this manual. Failure to comply with these specifications may decrease the effectiveness of the backwash and cause control valve malfunction.

Water Testing—The 900IF Iron Filter, like any other appliance, requires correct installation and setting for optimum performance. To ensure proper settings, you need to have a sample of your untreated water tested for iron and pH. To find a facility to test your water sample, check your Yellow Pages under Water Analysis or Water Testing or contact the company below to conduct a test for you.

WATERSCREEN
National Testing Laboratories, Inc.
1-800-458-3330 from 9 a.m. to 5 p.m. EST

A pH of seven or above is necessary for the appliance to function properly.



Step 1 *Plug in the Transformer*

A. Plug the transformer into an appropriate outlet.
B. Ensure that the outlet selected is NOT operated by an On/Off switch.

Step 2 *Add Water*

A. **Slowly** fill the media tank until water flows steadily to service.
B. Once filled, turn off water and allow the appliance to sit for 10 minutes.
C. After 10 minutes, press and hold the Regenerate button until the controller indicates 01 (flashing). The regeneration cycle begins.
D. Wait for at least 30 seconds.
E. Unplug the transformer.
F. Allow the appliance to sit for 25 minutes.
G. Replug in the transformer.
H. Quickly advance through the regeneration cycle until the Home position is reached.

Step 3 *Add Potassium Permanganate*

A. Open the port lid and add 3 gallons (11 liters) of water.
B. Slowly add 3 lb (1.4 kg) of potassium permanganate ($KMnO_4$). (P/N 97804).
Caution: Use care when handling potassium permanganate. Refer to the product label for further operating and handling instructions.
C. Thoroughly mix with a clean wooden paint paddle. (Do NOT use plastic.) Stir the potassium permanganate until the color is a dark walnut.
Note: Stir the potassium permanganate and water mixture every two weeks. If the water is a pink color, add another 3 lb (1.4 kg) of potassium permanganate. Potassium permanganate will last approximately three to six months.
D. Wait 15 minutes after adding potassium permanganate before starting the regeneration cycle.

Start-Up Procedures—900IF Iron Filter, Cont.

Step 4 *Start the Regeneration Cycle*

A. Press and hold the Regenerate button until the controller indicates 01 (flashing). The regeneration cycle begins. During regeneration, water bypasses the appliance to allow iron and sediment to wash down the drain through the following six-step process:

1. **First Upflow Backwash**—A rapid upflow of water flushes out the media bed.
2. **Regeneration**—Regenerant is drawn out of the solution cabinet and up through the media tank, cleaning the media bed and releasing accumulated iron and hydrogen sulfide.
3. **Slow Rinse**—A slow upflow rinse process that flushes out the regenerant and iron.
4. **Second Upflow Backwash**—This upflow backwash flushes out any remaining regenerant and sediment from regeneration.
5. **Downflow Clean Water Refill**—Filtered water is directed to the solution cabinet to prepare the regenerant for the next regeneration sequence.
6. **Return to Service**—Regeneration is complete after approximately 45 minutes and the appliance is returned to Service position. The controller will display a number between 01 to 14. This number is the days to next regeneration.

Step 5 *Program the Regeneration Cycle*

A. To ensure reliable performance and optimum efficiency, program the regeneration cycle to occur every one to fourteen days. Use the following worksheet to determine the appropriate frequency for scheduling the regeneration cycle for your appliance. Use the example as a guide.

B. On the controller, set the frequency and time of day for regeneration to occur. Follow the instructions provided in *Setting the Controller*.

Regeneration Cycle Frequency Worksheet				
	Your Water		Example	
Total Iron	_____ ppm x 1 =	____ ppm	2.4 ppm x 1 =	2.4 ppm
+ Manganese*	_____ ppm x 3 =	____ ppm	0.2 ppm x 3 =	0.6 ppm
+ Sulfur	_____ ppm x 5 =	____ ppm	1.0 ppm x 5 =	5.0 ppm
= Total compensated ppm		**____ ppm**		**8.0 ppm**
x Gallons per day for one person		75 gal		75 gal
= ppm per person per day	**=**	**____ ppm**		**600 ppm**
x Number of people in household		____ people		3 people
= Daily ppm capacity		**____ ppm**		**1800 ppm**
Iron filter capacity	=	5600 ppm		5600 ppm
4 Daily ppm capacity	=	____ ppm		1800 ppm
= Frequency of regeneration		____ days		3.1 days
Set regeneration frequency	@	____ days		3 days

*If manganese is unknown, multiply the iron and sulfur total by 1.15 to adjust total compensated ppm.

Setting the Controller

This appliance features a four-button controller with an LCD display. The controller can be used to view the appliance's status, perform regenerations, and change settings. The controller must be set up correctly for the appliance to perform properly.

Note: Ensure that the bottom of the controller is firmly locked onto the four tabs on the top of the drive end cap assembly. See *Cabinet and Cover Assemblies* diagram later in this manual.

To ensure that your appliance operates properly, set the controller as follows:

Figure 9: Four-Button Controller

Step 1

Set Frequency of Regeneration or Backwash

A. Press and hold the Set button for three seconds. When "01" displays, release the Set button.
B. Press and release the Change button until the desired frequency number displays.
C. Press the Set button to return to the main screen. The number you selected will be displayed. This number indicates the number of days until the next regeneration or backwash.

Step 2

Set Time Format

Press and hold the Set and Change buttons at the same time for 3 seconds. Display reads "12" if the controller is set to display English units or "24" if it is set to display metric units.

To Set Time Format

A. Press Change to toggle between 12 and 24. This controls the selection of a 12-hour (AM/PM) or 24-hour clock. If 24-hour clock, 00=midnight.
B. When the desired time format is displayed, press Set.

Step 3

Set Time of Day

Display reads "Set Time" and "12" (or "24").

To Change Time of Day

A. Press Change until the current time is displayed. Default is 12 p.m.
Note: Set time to the nearest hour.
B. When the desired time is displayed, press Set.

Step 4

Set Regeneration Time

Display reads "Set Reg. Time" followed by the current regeneration time that is set (02).

To Change Regeneration Time

A. Press Change. Default is 2 AM.
B. When the desired regeneration time is displayed, press Set.

Note: If you have a softener installed with the filter, stagger the regeneration times. Set the softener to regenerate first, followed by the filter.

Note: Whenever you experience an electrical outage, check your controller for the correct time. Make any necessary corrections.

900NF Acid Neutralizing Filter Replenishment Procedure

The neutralizing media that adjusts the pH level of the water must be refilled periodically (annually). Typically, this media is calcite and is available from **WaterBoss®**. To refill the neutralizing media, measure the appliance's media bed depth upon installation (factory freeboard). Use this measurement to determine the amount of media to add to maintain optimum performance of the 900NF.

Tools and Materials Needed

The following tools and materials are needed to replenish the neutralizing media:

- Analog scale (do not use digital)
- Steel tape measure
- 5-gallon (18.9 liters) bucket with handle
- Replacement media (P/N M050)
- 1/2-inch (1.3 cm), 4-ft (1.2 m) siphon hose
- Funnel with 1-inch (2.5 cm) fill tube
- 36-inch (1 meter) wooden ruler or dowel rod
- 3/4-inch (19-mm) socket with ratchet

Replenishment Procedure

The replenishment procedure is as follows:

Step 1 *Turn Off the Water*

A. Turn off the water to the appliance.
B. Open a tap to depressurize the appliance.
C. Close the tap.

Step 2 *Remove Water From Media Tank*

A. Use the 3/4-inch (19-mm) socket to remove the fill plug from the media tank.
B. Insert the siphon hose into the fill port.
C. Siphon the water into the bucket until the media level in the tank is reached.

Step 3 *Calculate Amount of Media to Replenish*

A. Measure the freeboard distance from the top of the tank to the media.
See Figure 10.
Note: The recommended freeboard distance is 6.5 inches (16.5 cm).
B. Add 4.5 lb (2 kg) of media per inch below 6.5 inches (16.5 cm).

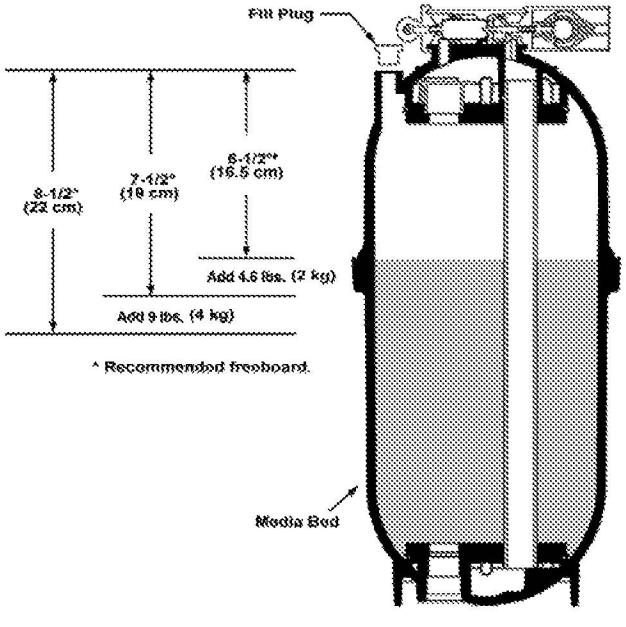


Figure 10: Maximum Freeboard Amount

Example:

Measured freeboard	8.5 inches (22 cm)
Minus factory freeboard	- 6.5 inches (16.5 cm)
Equals Adjusted freeboard	2.0 inches (5 cm)

Replenishment equals approximately 4.5 lb (2 kg) of media x 2.0 inches (5 cm) (adjusted freeboard) = 9 lb (4 kg).

900NF Acid Neutralizing Filter Replenishment Procedure, Cont.

Step 4

Add Replenishment Media

A. Weigh the replenishment media on the analog scale.
B. Place the funnel into the tank.
C. Pour the media into the funnel to fill the tank with the measured amount of media.

Step 5

Fill the Tank With Water

A. Open the main water valve and slowly fill the tank with water up to the bottom of the fill port.
B. Turn off the water.
C. Make sure the threads of the fill port are clean and replace the fill plug.
Caution: Do NOT over-tighten the fill plug.

Step 6

Check for Leaks

A. Turn on the water to re-pressurize the appliance.
B. Check for leaks. (See *Check for Leaks* on page 13.)
C. Fix any leaks.

Step 7

Backwash Neutralizer

A. Press the Regenerate button.
B. When the controller reads "01", slowly rotate the bypass knob clockwise to displace air until the drain runs steady. Fully rotate the bypass knob clockwise to place the appliance in the Service position. Let the appliance finish the backwash cycle and return to service.

Assembly and Parts

Cabinet/Cover/Salt Lid Assemblies

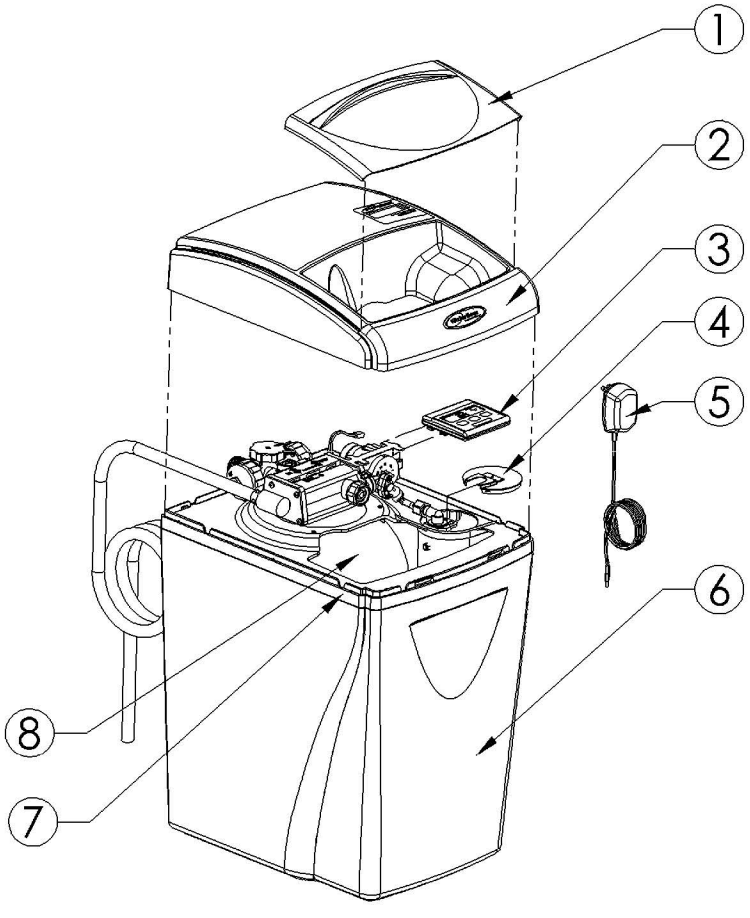


Figure 11: Cabinet and Cover Assemblies

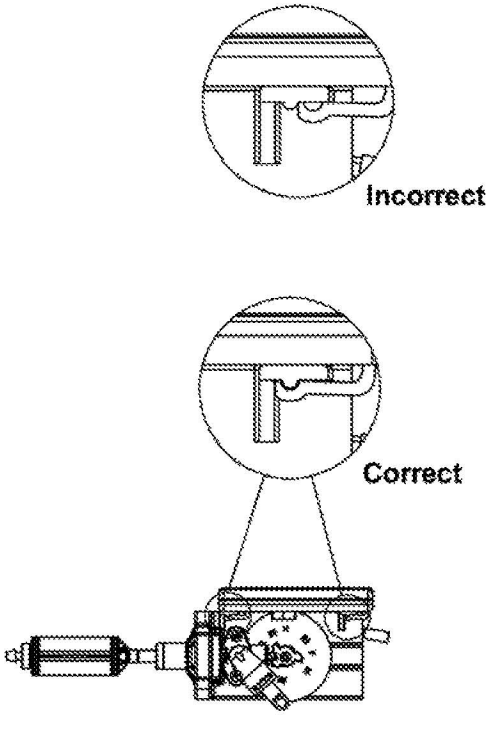


Figure 12: Controller Tab Lock Detail

	Part #	Description	Quantity
1	54306	Salt Port Lid	1
2	54324	Valve Cover Assembly	1
3	54540-IF	Computer Control Assembly—Model 900IF	1
	54540-CF	Computer Control Assembly—Model 900CF	
	54540-NF	Computer Control Assembly—Model 900NF	
4	54310	Brine Well Cover	1
5	93245	12V Transformer/Power Cord	1
6	54303	Cabinet	1
7	54305	Support Panel	1
8	97506	Media tank, empty, fill plug—Models 900IF and 900NF	1
	97509	Media tank, empty, fill plug—Model 900CF only	

Caution: Be sure the controller is firmly locked onto the drive end cap assembly. The four tabs on top of the drive end cap will allow the clips on the bottom of the controller case to lock onto the end cap tabs. Press down on the controller and pull toward the valve body. Check to ensure that all four tabs are engaged. If all of the tabs are not fully engaged ("clicked" into place), the controller will not function properly.

Assembly and Parts, Cont.

Cabinet and Assemblies

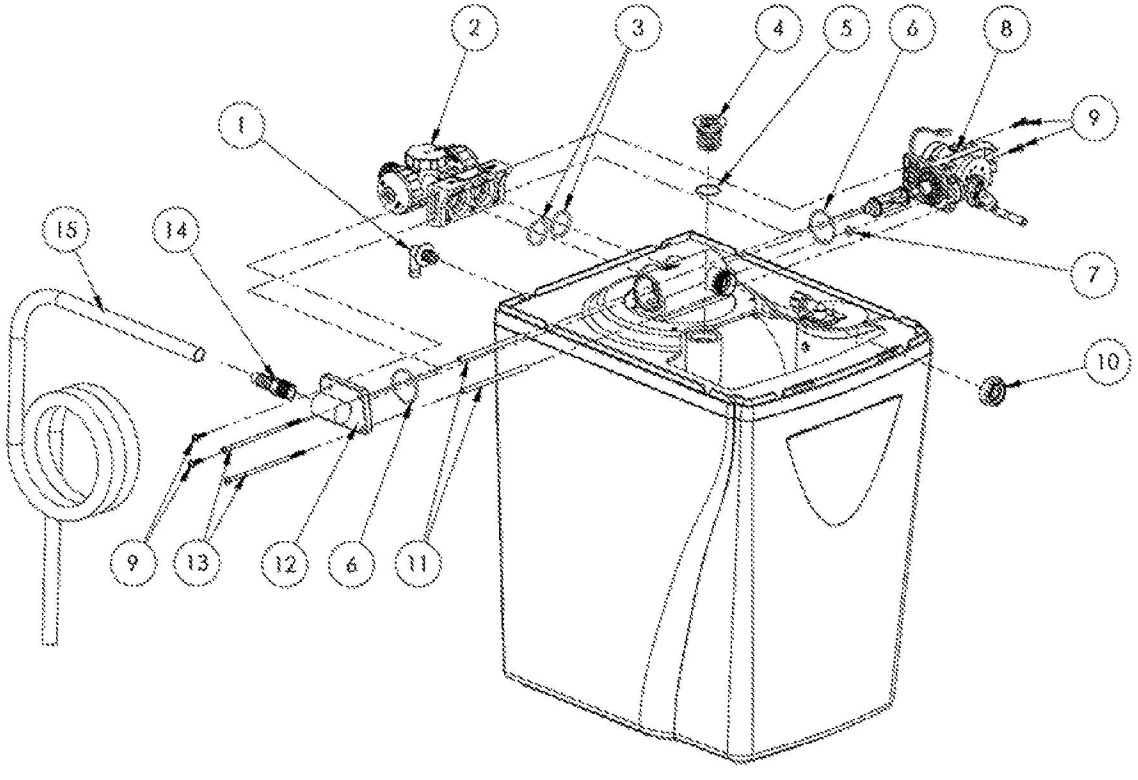


Figure 13: Cabinet and Assemblies

	Part #	Description	Quantity
1	C0700A	Overflow Elbow	1
2	54523	Bypass Assembly	1
3	93838	O-Ring	2
4	93281	Fill Plug	1
5	93272	O-Ring	1
6	90819	O-Ring	2
7	90828	O-Ring	1
8	54520*	Drive End Cap Assembly—Model 900IF	1
	95302T-BWO*	BWO—Models 900CF and 900NF	
9	93870	Screw	4
10	93504	Injector Assembly	1
11	93835	Sleeve	2
12	90614-5.0	Drain End Cap Assembly—Models 900IF and 900NF	1
	90614-3.0	Drain End Cap Assembly—Model 900CF	
13	93809	Screw	2
14	V185	Drain Fitting, 1/2-inch MNPT x Barb	1
15	93842	Drain Line	1

* Excludes drive motor and magnetic disk.

Assembly and Parts, Cont.

Injector Assembly

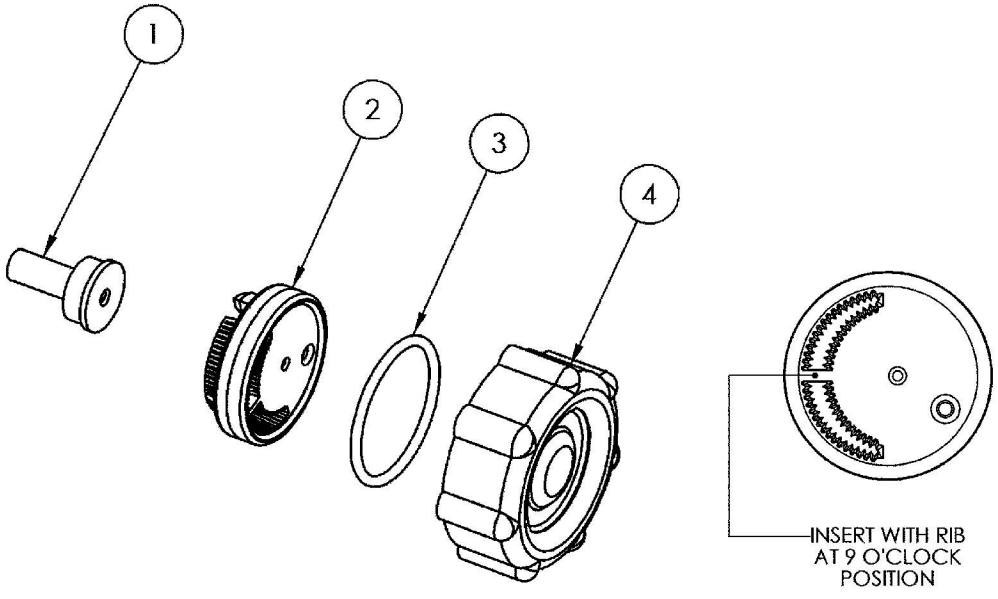


Figure 14: Injector Assembly

	Part #	Description	Quantity
1	93223	Injector Throat—Model 900CF	1
	93223-Red	Injector Throat—Models 900IF and 900NF	
2	53224	Injector Nozzle with Over-Mold Gasket—Model 900CF	1
	53224-Red	Injector Nozzle with Over-Mold Gasket—Models 900IF and 900NF	
3	93806	O-Ring	1
4	53235	Injector Cap	1
	93504	Entire Assembly (all of the above parts)—Model 900CF	
	93504-Red	Entire Assembly (all of the above parts)—Models 900IF and 900NF	

93223 Injector Throat	In conjunction with the Injector Nozzle (53224) it creates the vacuum that draws the brine solution from the brine cabinet. The center hole should be clear of debris, round, and undamaged. The Throat should be pressed flush into the opening in the valve. If the Throat is removed, it must be replaced with a new one.
53224 Injector Nozzle with Over-Mold Gasket	Together with the Throat (93223) creates the vacuum that draws the brine solution from the Brine Cabinet. The small hole in the Injector Nozzle (53224) is the one that creates the "injection-stream" that enters the Throat. It is important that this hole is round, undamaged, and clear of debris. If this hole becomes "clogged," do not use anything (such as metal objects) to clear this opening. Damage may occur. Use a clean cloth and flush with water. If necessary, a wooden toothpick may be used. When assembling to the Valve, the Nozzle hole should line up with the Throat. Flush screen with water to clean. The over-mold gasket seals between the Injector Nozzle and the Injector Cap.
53235 Injector Cap	Holds the injector assembly together and seals the assembly to the Main Valve Body.

Bypass Assembly

(Available as assembly only.)

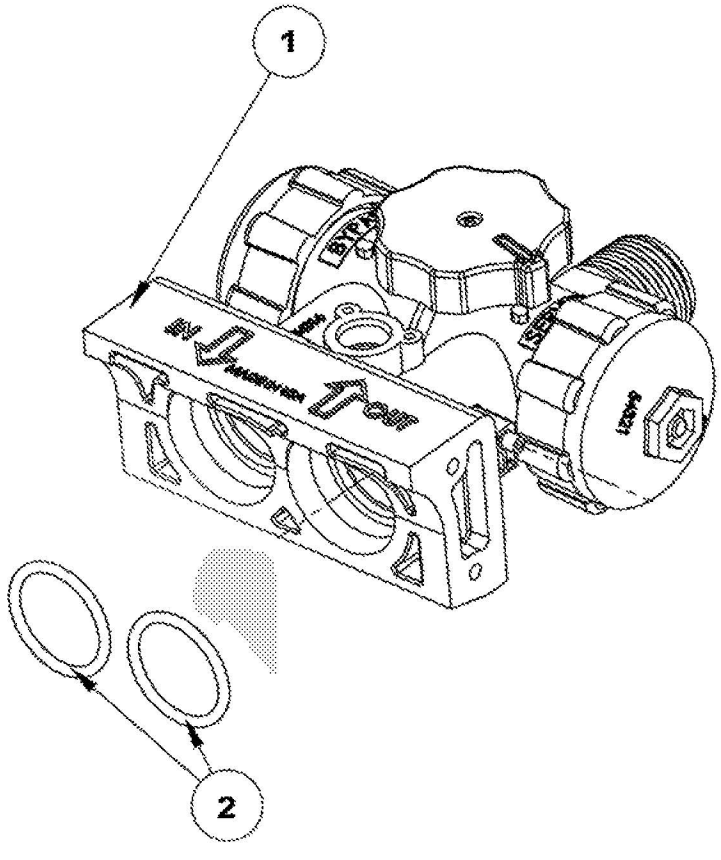


Figure 15: Bypass Assembly

	Part #	Description	Quantity
1	54523	Bypass Assembly	1
2	93838	O-Ring	2

Drive End Cap Assembly

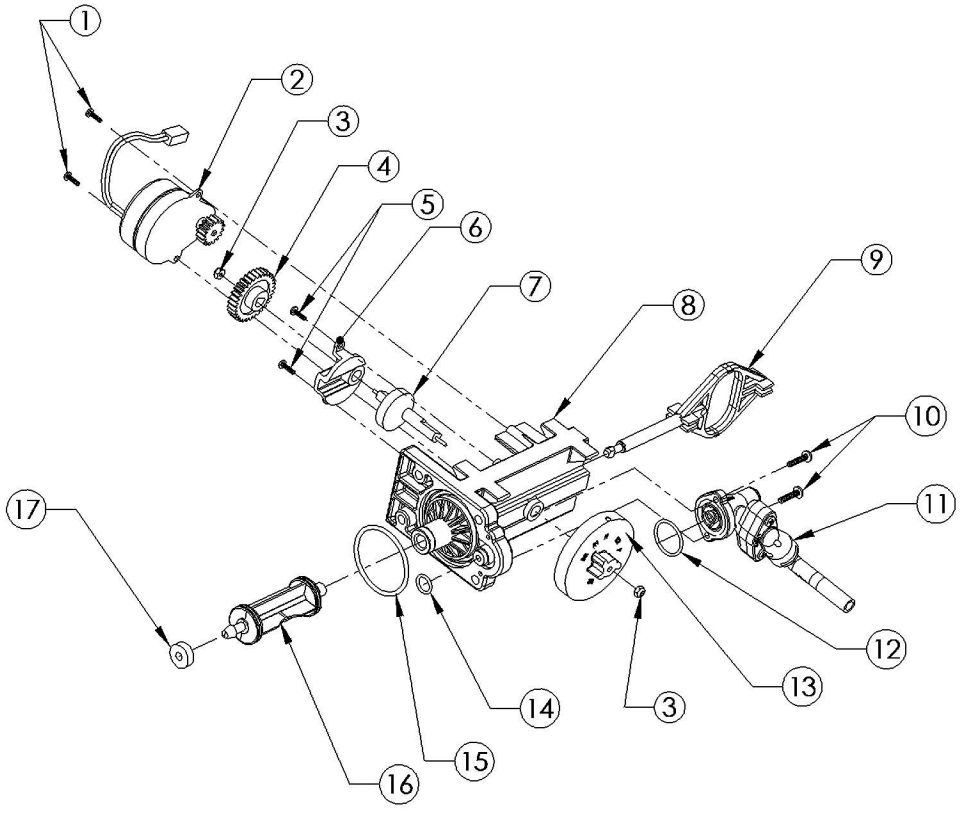


Figure 16: Drive End Cap Assembly*

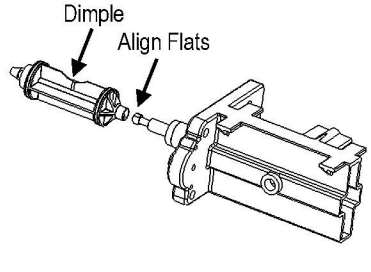
	Part #	Description	Quantity
1	90802	Screw, self-tapping	2
2	90217	Drive Motor	1
3	93891	1/4-inch Hex Nut	2
4	93238	Drive Gear	1
5	90809	Screw, self-tapping	2
6	93219	Piston Slide Cam Cover	1
7	93217	Piston Slide Cam	1
8	93583	Drive End Cap	1
9	54202	Piston Slide	1
10	90818	Screw, self-tapping—Model 900IF Only	2
11	54521	Brine Valve Assembly—Model 900IF Only	1
12	90821	O-Ring—Model 900IF Only	1
13	54502KIT	Magnet Disk Assembly	1
14	90828	O-Ring	1
15	90819	O-Ring	1
16	53322	Drive Piston Assembly	1
17	93839	Drain Gasket	1
	54520	Entire Assembly (all of the above parts except 1, 2, and 13)	

* Drawing shows Drive End Cap assembly for 900IF Iron Filter. It has a brine valve.

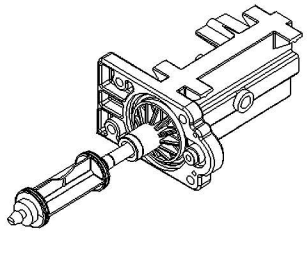
Assembly and Parts, Cont.

Drive End Cap Assembly Cont.

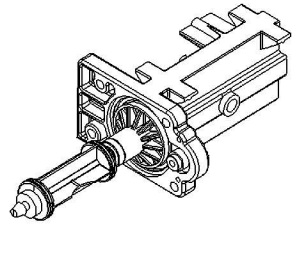
90217 Drive Motor	The Motor is held in place by two, 1/2-inch self-tapping screws. The screws should be "snug." The brass pinion gear on the Motor should engage the plastic Drive Gear (93238). The wires should be securely fastened to the Controller.
93238 Drive Gear	The Drive gear is assembled to the Slide Cam by means of a "keyed" opening, which transfers the "torque" generated by the Motor to the rest of the drive system. If the drive system becomes jammed, this opening can become "rounded" causing the gear to turn, but not the Piston Slide Cam. If this occurs, clear the jam and replace the Drive Gear (93238) and Piston Slide Cam (93217).
93219 Piston Slide Cam Cover	The cover secures the Piston Slide Cam (93217) in place and acts as a bushing for the Cam Shaft.
93217 Piston Slide Cam	This is the "heart" of the drive system. There is a threaded stainless steel shaft that runs through the main drive axle. The Drive Gear (93238) is attached at the short end and the Magnet Disk (54502) at the other end. The Slide Cam is assembled inside of the Piston Slide (54202). This Cam Shaft should turn freely before the Motor is assembled.
93583 Drive End Cap	Seals the two openings on the Main Valve Body. The larger diameter opening is sealed with an O-Ring used as an axial or "face" seal. The O-Ring sits in a groove in the End Cap. This groove must be free of defects such as pits or scratches and also free of debris. The smaller diameter seal is accomplished with an O-Ring used as a radial seal. The O-Ring should be placed on the male boss on the End Cap. When assembling the End Cap to the Valve Body, care should be taken to make sure the small O-Ring is aligned with the opening in the Valve Body and that the large O-Ring stays in the groove in the End Cap. If misaligned, the O-Rings can become pinched and leak.
54202 Piston Slide	The Slide should move freely inside the End Cap Housing.
53322 Drive Piston Assembly	The Drive Piston attaches to the Piston Slide (54202) by placing the "slot" of the Piston onto the matching flat of the Slide. To remove Piston, rotate Piston 90° counterclockwise. To replace Piston, rotate 90° clockwise until you hear an audible "click." See reference drawings below.



Position Piston Assembly (53322) Vertical



Slide Piston Assembly Onto Piston Slide. Push Toward End Cap to Stop.



Rotate The Piston Assembly 90 Degrees Clockwise Until You Hear An Audible Click As It Snaps Into Place

Top Fill Plug Assembly

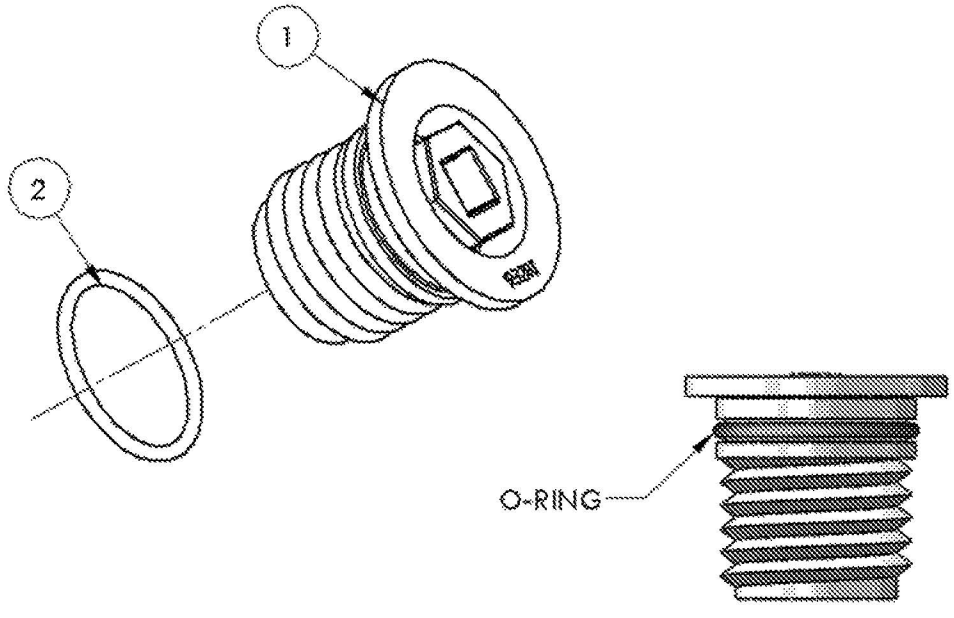


Figure 17: Fill Plug Assembly

	Part #	Description	Quantity
1	93281	Fill Plug	1
2	93272	Fill Plug O-Ring	1

93281 Fill Plug	The Fill Plug (93281) seals the media access ports in the Media Tank. Care should be taken that the O-Ring seal area is kept clean and free of debris. Also, the O-Ring should be in the proper location in the groove. Do not overtighten the Fill Plug when assembling. When the flange comes into contact with the Media Tank, stop tightening. A 3/4-inch socket is recommended for assembly.

Assembly and Parts, Cont.

Brine Valve Housing Assembly (900IF Iron Filter Only)

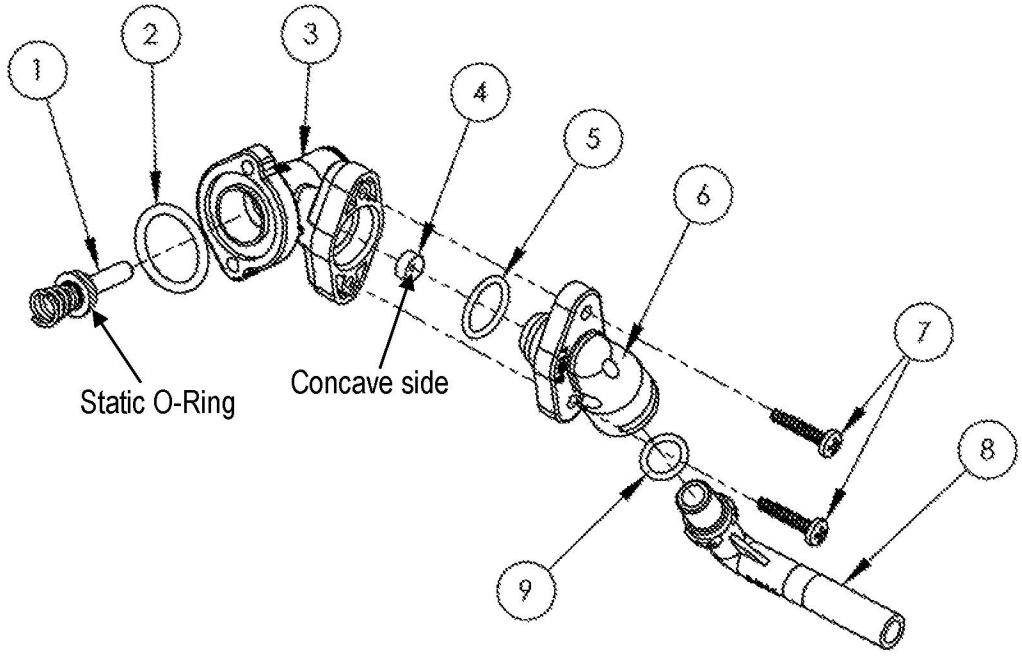


Figure 18: Brine Valve Housing Assembly

	Part #	Description	Quantity
1	53511	Brine Piston Assembly (includes O-Ring & Spring)	1
2	90821	O-Ring	1
3	53510	Housing	1
4	90843	0.5 gpm Flow Control	1
5	93805	O-Ring	1
6	54314	Brine Valve Housing End Cap	1
7	90818	Screw, self-tapping	2
8	54315	Brine Valve Elbow	1
9	90828	O-Ring	1
	54521	Entire Assembly (all of the above parts)	

53511 Brine Piston Assembly	The Piston should have an O-Ring on the shaft side of the flange and a spring pressed onto a boss on the other side. The O-Ring should be free of defects such as cuts or debris on the shaft side.
53510 Housing	Just inside the entrance hole for the Brine Piston (53511) is a concave seat area that must be free of defects such as nicks, indentations, or debris. This seat area ensures a leak-free seal for the static O-Ring on the Brine Piston. If any defects are detected by visual inspection, repair or replace as needed.
90843 0.5 gpm Flow Control	The Flow Button has two distinct and different sides. One is "flat"; the other is "concave." The button should be centered in the housing opening with the four locator "ribs" with the concave side facing the Brine Valve Housing End Cap (54314).

Safety Shutoff Assembly (Iron Filter Only)

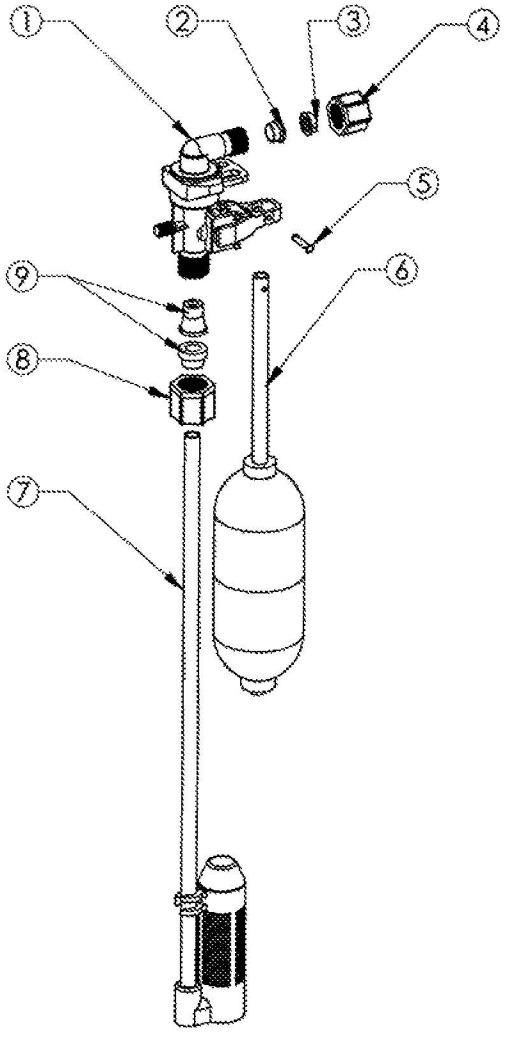


Figure 19: Safety Shutoff Assembly

	Part #	Description	Quantity
1	54226	Safety Shutoff Valve	1
2	*	3/8" Retainer Sleeve	1
3	*	3/8" Plastic Gripper	1
4	*	3/8" Nut	1
5	*	Wrist Pin	1
6	10700-IF	Float Assembly	1
7	54191	Air Check Assembly	1
8	*	3/8" Nut	1
9	H4656	1/2" x 3/8" Sleeve Gripper Set	1
	54534	Safety Shutoff Assembly (all of the above parts)	

*Included with 54226

Safety Shutoff Valve Elbow Installation

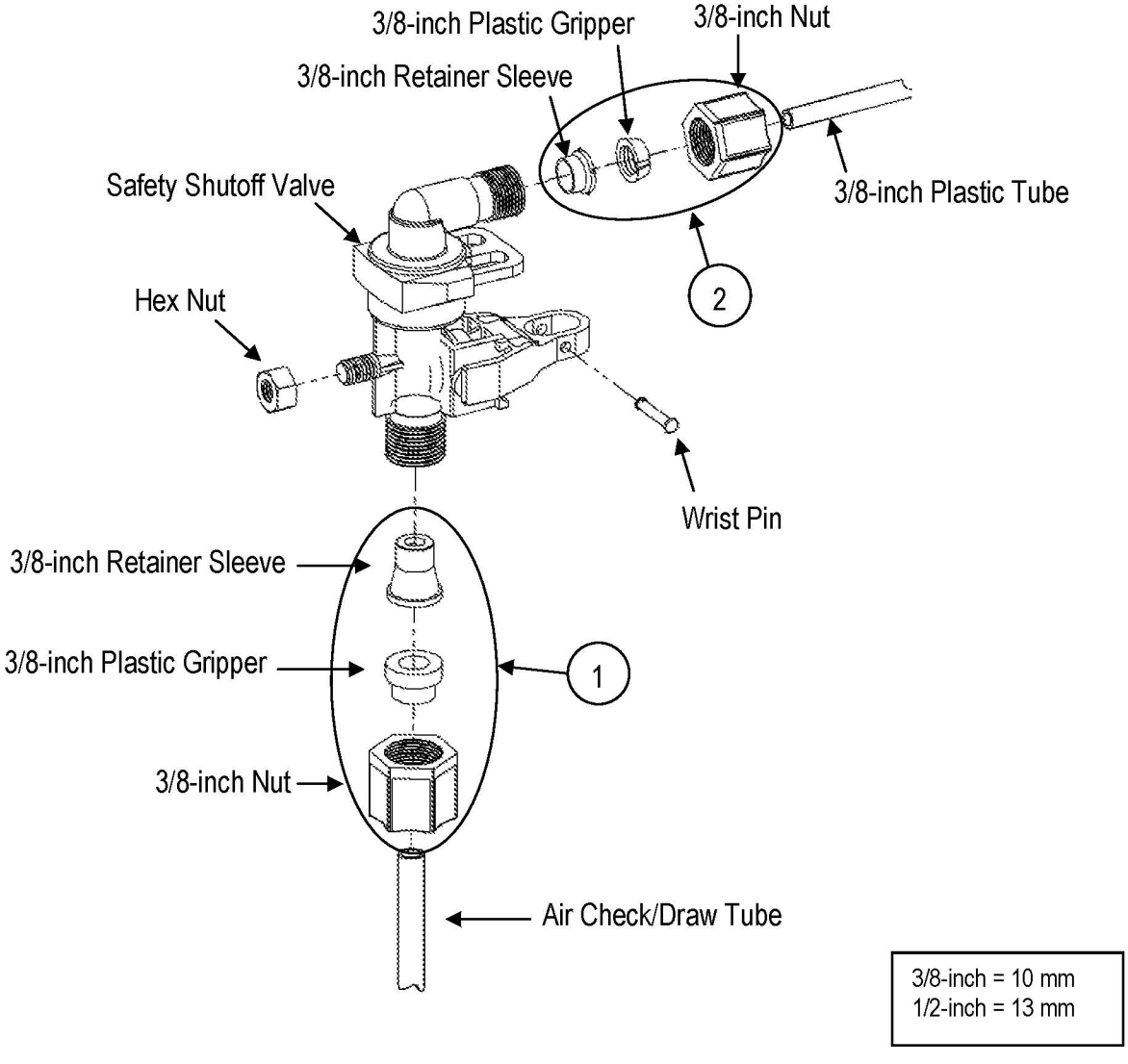


Figure 20: Safety Shutoff Valve Elbow Installation

	Part #	Description	Quantity
1	H4656	1/2-inch (13-mm) x 3/8-inch (10-mm) Sleeve Gripper Set	1
2	54138	3/8-inch (10-mm) Compression Assembly	1

The nut, gripper, and retainer sleeve are a three-piece assembly that can come apart if removed from the elbow body. Parts must be reassembled exactly as shown to function properly.

When connecting the 54315 Brine Valve Elbow 3/8-inch (10-mm) plastic tube, first assemble the nut, gripper, and retainer sleeve on the tubing. Then screw the nut on the elbow body. With a wrench, tighten the nut securely to create a water-tight connection.

Troubleshooting

Problem	Possible Cause	Solution
No read-out in display	Electric cord is unplugged	Plug in the transformer
	No electric power at outlet	Check power source. Make sure outlet is not controlled by a switch
	Defective transformer	Test with volt meter for 12 VAC at control. If less than 10 VAC or greater than 14 VAC, replace the transformer
	Defective circuit board	With 12 VAC present at controller, replace the controller
	High ambient room temperature. If the temperature exceeds 120°F (49°C), the display will blank out. This does not affect the operation of the controller	No action necessary
Appliance stays in regeneration	Controller not attached properly	Make sure the controller is pushed all the way onto the drive end cap
	Defective magnet disk	Replace magnet disk
	Foreign object in valve body	Remove foreign object(s) from the valve body
	Broken valve assembly. Motor running	Repair the drive end cap
Excess water in regenerant cabinet. Should be approximately 3–4 inches (8–10 cm)	Restricted, frozen, or pinched drain line	Remove restriction, thaw, or straighten drain line
	Plugged regenerant line, regenerant line flow control, or air check/draw tube	Clean flow control, air check/draw tube, and regenerant line
	Plugged injector assembly	Clean or replace injector. Replace throat if removed
	Sticking regenerant refill valve	Remove valve. Check for obstruction
Not regenerating in proper sequence	Magnet disk defective	Replace magnet disk
	Defective controller	Replace controller

Troubleshooting, Cont.

Problem	Possible Cause	Solution
Salty water (or purple water—iron filter)	Plugged injector	Replace injector screen, nozzle, and throat
	Low water pressure	Maintain minimum pressure of 20 psi
	Drain line or flow control is restricted	Remove restriction
	Regenerant line restricted or crimped	Remove restriction, replace if crimped
	Intermittent pressure drop from feed source	Install check valve on the inlet water line to the appliance (Check local plumbing codes first)
	Excessive regeneration	Reprogram iron filter regeneration frequency
Controller error messages	"E1" Home not found	Cycle power by unplugging the transformer and plugging it back in. It will look for Home again. Make sure the controller is pushed all the way onto the drive end cap
	"E2" Motor error	Plug motor in and cycle power. If it is already plugged in, then motor wiring or the motor plug is defective
	"E3" Home offset	Disk did not start in proper home location. Controller will automatically try to reset itself by finding Home and continuing the regeneration. Make sure the controller is pushed all the way onto the drive end cap
	"E4" Home latched	Gear teeth are not engaged, gear is stripped, or something is jammed in the valve. Cycle the power to reset
	"E5" Memory Error	Replace controller

Filter Specifications

	900IF	900CF	900NF
Capacity (gallons)	700/regen	75,000	20,000
Max compensated hardness (ppm) [iron, manganese, and hydrogen sulfide]	15	NA	NA
Minimum pH (standard units)	7	NA	6.3
Media type and amounts	Greensand—0.7 cu.ft.	Carbon—0.7 cu.ft.	Calcite/Corosex—0.7 cu.ft.
Regenerant used	2.8 oz. Potassium permanganate per regeneration	No regenerant (Backwash only)	No regenerant (Backwash only)
Max water temperature (°F)	80	120	120
Media tank size (inches) Dia. x Ht.	10.5 I.D. x 26	10.5 I.D. x 26	10.5 I.D. x 26
Peak flow rate (gpm) @ 15 psi drop	7	7	6
Pressure drop at service flow rate of 4 gpm	2	2	2
Max flow rate to drain during regeneration (Backwash gpm)	5.0	5.0	5.0
Water pressure (min–max psi)	30/120	30/120	30/120
Minimum water volume required for backwash (gpm)	5	5	5
Controller type	4 Button	4 Button	4 Button
Regeneration/backwash time (minutes)	43.5	7	7
Water volume per regen. (gallons)	66	35	35
Frequency of regeneration (days)	1–14	1–4	1 or 2
Potassium permanganate ($KMnO_4$) storage	Up to 10 lb	NA	NA
Height (inches)	30.75	30.75	30.75
Footprint (inches)	14.75 x 18.75	14.75 x 18.75	14.75 x 18.75
Electrical rating	12 VAC, 1 phase 60 Hz	12 VAC, 1 phase 60 Hz	12 VAC, 1 phase 60 Hz
Plumbing connections	1-inch MNPT	1-inch MNPT	1-inch MNPT
Shipping weight (lb)	115	75	125

Note: The iron filter operates in the same manner as the **WaterBoss®** Softeners, but with manganese greensand in place of the super fine mesh media. The iron filter uses a potassium permanganate ($KMnO_4$) solution for regeneration instead of salt regenerant. In service, the filter media aids in oxidizing the iron, manganese, and/or hydrogen sulfide to solid particles, trapping the particles in the filter bed.

WaterBoss® Model 900IF Iron Filter automatically reduces iron and hydrogen sulfide. **Install before your water softener.**

WaterBoss® Model 900CF Carbon Filter with the activated carbon filtering bed, reduces chlorine taste and odor. **Install before your water softener.**
Note: This filter can be installed after a water softener in special situations. Call the HelpLine for specific applications.

WaterBoss® Model 900NF Acid Neutralizing Filter adjusts low pH water. This adjustment will increase the water hardness by two to four grains. **Install before your water softener.**

Operational, maintenance, and replacement requirements are essential for the product to perform to specification.

Notes

WaterBoss®
has these third-party listings:

CE

Quality Assured

MADE IN USA

WaterBoss® water filter

In Business Since 1956

www.waterboss.com

4343 South Hamilton Road, Groveport, OH 43125

LITHO USA
©2012
F93966FIL2 RV0612B

From: Gerald Ambrose <gambrose@cityofflint.com>
Sent: Tuesday, March 24, 2015 12:43 PM
To: Hollins, Harvey (GOV)
Cc: Workman, Wayne (TREASURY); Byrne, Randall (Treasury); Koryzno, Edward (Treasury)
Subject: Water - fixed charges
Attachments: Fixed charge calculation1.docx; EM Statement on Water 3.24.2015.pdf

Harvey,

You had requested additional information on the fixed charges used in Flint's water rates. Hopefully the attached helps. I have also included some additional information showing that that many of the recent increases in rates were done prior to the EM being appointed. And also, a reminder that the system was in a deficit position when the EM came on board, making additional increases necessary.

While the system is now solvent, it is not as strong as it once was. And the real challenge for all of is to figure out how to get rates down to an affordable level. But is cannot be done by simply reducing rates!

I am sure you are aware that the Council voted last night to "do everything in their power" to return to the Detroit system. I am attaching my statement in response.

Call if you have questions.

Jerry

RESIDENTIAL WATER/SEWER RATES - FIXED AND COMMODITY CHARGES

General statistics indicate that the average person uses between 80 and 100 gallons of water per day, or between 2,400 and 3,000 gallons per day. The City's general estimate for the average residential bill is based on consumption of approximately 5,200 gallons per day (7 units * 745 gallons. So the average we use is not out of line if the average number of users in a residence is around 2.

At $149 average costs per month, Flint's charges are very high in comparison to other systems, and an issues which must be addressed. Unfortunately, the Flint system, which has the capacity to serve a population of more than 200,000, now serves a population of approximately 100,000. The system, as currently configured today, needs between $65 million and $70 million in revenues annually to operate. One cannot simply reduce rates without affecting the ability of the system to operate.

Like many systems, Flint charges both a fixed charge and a commodity charge to generate revenues. The concept of the fixed charge is that there is a certain amount of the utility system which must operate regardless of how much of the commodity is used. Operation and maintenance of the system, including building, treatment, and distribution infrastructure, as well as debt service, are examples.

On the other hand, chemicals, utilities, and staffing to a certain extent vary with the amount of the commodity and can thus be linked to usage.

In Flint, the total fixed charge for the water and sewer bill accounts for approximately 40% of the average residential users bill. The amounts determined to be "fixed charges" were established many years ago, and the water rate study done for the City in 2014 made no recommendations for change.

The Flint system, which more than 10 years ago was very stable financially, had declined into a deficit financial position by June 30, 2012. Significant rate increases, many of which were enacted before the State assigned an Emergency Manager in late 2011, were necessary to stabilize the financial position of the system. Other decisions, including the decision to partner with Genesee County in the KWA, and the decision to utilize the Flint River for an interim period, were made with the goal of stabilizing rates and moderating future increases. Safety, quality, and affordability are the key priorities going forward.

Following is the detail of the water and sewer rate components.

WATER/SEWER RATES

Average Residential User

WATER COMMODITY CHARGE PER UNIT	Water Service Charge* 5/8" remote	SEWER COMMODITY CHARGE PER UNIT	Sewer Service Charge	Units for Ave. Bill	WATER COMMODITY	Service Charge* 5/8" remote	SEWER COMMODITY	Sewer Service Charge	Total
$ 7.92	$ 22.90	$ 5.17	$ 34.48	7.00	$55.44	$22.90	$36.19	$34.48	**$149.01**

AVERAGE	Water Charges		-	Sewer Charges			Water and Sewer		
RESIDENTIAL									
UTILITY	29%	$22.90	Fixed Charge	$34.48	49%		$57.38	39%	Fixed Charge
CHARGE	71%	$55.44	Commodity	$36.19	51%		$91.63	61%	Commodity
	100%	$78.34		$70.67	100%		$149.01	100%	

RECENT RATE INCREASES

Overall cost to residential users for water and sewer have increased significantly since 2003 – almost three-fold. Note, however, that much of the recent increases were made prior to the appointment of an EM…

Increases Enacted by EM		Increases Enacted Prior to EM		
EM		PRE-EM		
Aug 2014	July 2012	July 2011	Jan 2011	Oct 2003
$78.34	$74.42	$66.12	$48.99	$29.60
$70.67	$65.60	$45.24	$33.50	$27.47
$149.01	$140.02	$111.36	$82.49	$57.07
$8.99	$28.66	$28.87	$25.42	
6%	26%	35%	45%	

Change in the Financial Position of the Water and Sewer System

The financial position of the water and sewer system in 2003 was strong. However, by 2011 the financial position had declined to the point where the system was in deficit. In spite of increases made prior to the appointment of an Emergency Manager, the utility system was still in a deficit position in 2012. While the financial position of the system is now positive, it is still less strong than in 2003:

Water and Sewer (Assets in Millions)

	2003	2011	2012	2013	2014
	Status Pre EM			Status under EM	
Capital Assets	$82,288	$65,877	$84,182	$78,066,635	$76,670
Restricted	$0	$0	$5,585	$4,385	$5,847
Unrestricted	$53,076	($423)	($8,459)	$8,817	$13,552

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

Jason Lorenz
Public Information Officer
(810) 237-2039
jlorenz@cityofflint.com

For Immediate Release

Emergency Manager Statement on Water: Spending Extra $12 Million on Detroit Water "Incomprehensible" When Flint Water Just as Safe

Flint, Michigan – March 24, 2015 – At the City Council meeting held on Monday, March 23, 2015, Flint City Council made a motion to "do all things necessary" to return to using water purchased from Detroit and discontinue use of the Flint River as a water source. The following statement from Emergency Manager Gerald Ambrose addresses that point:

"Flint water today is safe by all EPA and MDEQ standards and the City is working daily to improve its quality. Users also pay some of the highest rates in the state because of the decreased numbers of users and the age of the system.

"It is incomprehensible to me that 7 members of the Flint City Council would want to send more than $12 million a year to the system serving southeast Michigan, even if Flint rate payers could afford it. Water from Detroit is no safer than water from Flint.

"If $12 million annually were available for discretionary use, it would be far better spent reducing rates paid by Flint customers and/or modernizing the City's system."

-Gerald Ambrose,
Flint Emergency Manager

–END–

From: Clayton, Stacie (GOV)
Sent: Wednesday, April 29, 2015 12:26 PM
To: Bedan, Morgan (GOV)
Cc: Hollins, Harvey (GOV)
Subject: Flint Briefing
Attachments: Flint Emergency Management and Water Briefing .docx

Hi Morgan,

Please let us know if you need anything else.

Stacie

To: **Governor Snyder**

From: **Harvey Hollins**

Date: **29 April 2015**

Subject: **Briefing on the City of Flint**

I. Flint Emergency Management

Before 2011

Flint has been devastated by decades of plant closings and mass layoffs in the auto industry. In 1970, GM employed 82,000 workers in the city. Now, there are less than 8,000. Over the same four decades, the population has gone from 193,000 to just over 100,000.

In 2002, the city of Flint attempted to avoid emergency management, by cutting $12 million, including closing a north side police precinct and halting ambulance service. However, the review team determined that a fiscal emergency existed in Flint; former Gov. John Engler later declared a financial emergency and the city was placed under state receivership. Governor Engler appointed Ed Kurtz, former president of a private business college, as emergency financial manager to oversee Flint's finances. A city audit five months into Kurtz's tenure revealed a $26.6 million deficit.

Before Kurtz was appointed, the city had eliminated its ambulance and housing services. The cuts Kurtz initiated included: closing the city's recreation centers, cutting mayor and council pay, raising water bills 11%, and eliminating 54 jobs.

In 2004, Governor Granholm removed the emergency manager, but continued oversight through January 2006.

EM Administrations and governing public acts:

○ Ed Kurtz	2002-2004	PA 72
○ Michael Brown	2011-2012	PA 4 (PA 4 was suspended in 2012)
○ Ed Kurtz	2012-2013	PA 72 – PA 436
○ Michael Brown	2013	PA 436
○ Darnell Early	2013-2014	PA 436
○ Gerald Ambrose	2015	PA 436

Emergency Management after 2011

Achieved Benchmarks:

- Complete elimination of operating deficits through cost reductions and the implementation of financial best practices
- General Fund accumulated deficit reduction from 19.1 million in 2012 to approximately $7 million currently
- Flint City Lockup reopens for the first time since 2008. It can house up to 110 inmates for up to 72 hours and costs $2.1 million annually to operate.

- Workforce and employee compensation both have been reduced by 20%
- $850 million in unfunded OPEB liabilities has been reduced to $240 million
- A qualified city administrator has been hired.
- Consolidation of the city-funded 68th district court into the county funded 67th district court creating $800k in annual savings.
- Consolidation of 911 dispatch services into the county system. More than $1 million in annual savings.
- The City has adopted its first Master Plan since the 1960s.
- The City adopted a new Capital Improvement Plan.
- The City implemented a new methodology for blight.
- The City will request a $7 million emergency loan to fully eliminate its remaining General Fund Accumulated deficit.

Remaining Challenges:

- OPEB reductions are subject to a federal lawsuit. Loss of this legal action means an additional $5million annual OPEB expense.
- Future expense reductions are necessary to balance multi-year projections.
- The transition to KWA and maintenance of the aging water distribution infrastructure are important challenges which require significant funding and continued leadership.
- The City must reappraise all of the real property in the City prior to the 2018 Assessment Roll. This will be a costly, but necessary undertaking.

II. Flint Water

In November 2012 the Department of Treasury commissioned the firm of Tucker, Young, Jackson & Tull, Inc. (TYJT) to analyze options for the City of Flint to either remain a customer of the Detroit Water & Sewer Department (DWSD) or to join the Karegnondi Water Authority (KWA) in Genesee County. The purpose of this study was to provide objective analyses to the State Treasurer and Flint's Emergency Financial Manager (EFM) in order to secure future potable drinking water for the City.

In December 2012, staff from TYJT met with representatives from the Department of Treasury and the City of Flint to provide a preliminary report on their findings. At this meeting, options presented were: 1) Flint Water Plant will provide 100% water, 2) 100% provision of untreated Lake Huron Water by KWA, 3) 100% provision of treated drinking water by DWSD, or 4) provision of variable amounts of water from DWSD using a combination of blended DWSD water and Flint River water.

The Flint EFM eliminated all options except the 100% DWSD option or joining KWA, deciding later to join KWA.

On April 25, Flint officially ended nearly 50-years of using DWSD to supply water.

The city currently uses the Flint River until the Karegnondi Water Authority pipeline is built, which will bring untreated Lake Huron water to Genesee County. KWA should be operational by winter 2016.

The Flint River water is harder than DWSD. A number of residents are experiencing discoloration and order with the water. In addition there have been a number of citations largely around heightened levels of Total Trihalomethanes (TTHM).

Given water quality concerns, suggestions have been made that the City of Flint should return to using water purchased through the Detroit Water and Sewerage Department (DWSD). For many reasons, financial and otherwise, the City of Flint can ill-afford to switch courses at this point. The estimated cost to go back to the water provided by the DWSD is approximately $1 million per month and the City expects to be using the Karegnondi Water Authority (KWA) Lake Huron water within or before the 1st quarter of 2016.

The City of Flint is proceeding with a series of actions to ensure the continued safety of Flint drinking water is maintained and that issues of discoloration and odor continue to be addressed. Most notably, the installation of a Granulated Active Charcoal filter (GAC) at the Water Treatment Plant is expected to be authorized this week by Emergency Manager Jerry Ambrose.

The introduction of the GAC to the treatment process at Flint's plant will absorb or reduce the chemical precursors which will block or eliminate the formation of TTHM during the filtration process. Engineering and design are underway and installation of the GAC is targeted for completion by mid-July. Cost of this improvement is projected at $1.5 million and will be paid for by the proceeds from the state approved restructuring of the City's Drinking Water Revolving Fund loans.

In addition to the installation of the GAC, the City of Flint is undertaking a number of other improvements to the water system in the coming months, including a water leak detection monitoring, completion of the hydraulic model and subsequent targeted hydrant flushing program, and the replacement of two miles of water main pipe in a critical area of the city. All of these improvements scheduled to occur within the next six months.

From: Clayton, Stacie (GOV)
Sent: Wednesday, July 29, 2015 2:01 PM
To: Hollins, Harvey (GOV)
Subject: FW: Water Filter

Importance: High

Where do I tell them to ship? Is there someone in Flint I need to contact?

Stacie

From [redacted]
Sent: Wednesday, July 29, 2015 1:56 PM
To: Clayton, Stacie (GOV)
Cc: [redacted]
Subject: Re: Water Filter

We are actually good to go and ready to ship vice copied [redacted], the VP over the area and my assistant.

Just let us know the "ship to" and we are on our way.

On Jul 29, 2015, at 1:47 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:

> Hi [redacted]
>
> I hope you are doing well and enjoying your summer. Please let me know a convenient time for a phone call with you so we can discuss the water filters.
>
> Thank you,
> Stacie
>
> ***Stacie Clayton, Assistant Director***
> Harvey Hollins III, Director
> Governor's Office of Urban Initiatives
> 3044 West Grand Boulevard, Ste. 14-650
> Detroit, MI 48202
> 313.456.4994 (office)
> claytons3@michigan.gov
>
> **From:** Hollins, Harvey (GOV)
> **Sent:** Wednesday, July 29, 2015 1:43 PM
> **To:** Clayton, Stacie (GOV)
> **Subject:** Fwd: Water Filter
>
> Best,

Harvey

Begin forwarded message:

From: "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
Date: July 27, 2015 at 8:42:42 AM EDT
To: [redacted]
Cc: [redacted] "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>
Subject: Re: Water Filter

[redacted]
Thank you. We will work with [redacted] to identify the appropriate entity to receive the filters for Flint residents. In addition, we'll keep you out the public eye on this.

Please know, however, how much we appreciate [redacted] and most importantly you for doing this.

Best,
Harvey

On Jul 27, 2015, at 7:44 AM, [redacted] <[redacted]> wrote:

Harvey -

We are all set. [redacted] can serve as liaison on this one. The merchant team can source 1,500 filters. We will get them to the community at cost. My guess is this will be $20k or so, but the team will give you a final number.

Because we don't want to be a state vendor, we won't sell them to you. [redacted] will work out logistics of whether we make a donation of gift cards to the state that you use to purchase them, or whether there is some other entity to which we can give them.

Given all the circumstances, we are not interested in any publicity. We want it to be clear that the state is providing these, not [redacted]

Thanks for reaching out.

[redacted]

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Thursday, July 23, 2015 12:20 PM

To: [redacted]

Subject: RE: Water Filter

Thank you.

-----Original Message-----

From: [redacted]

Sent: Thursday, July 23, 2015 10:57 AM

To: Hollins, Harvey (GOV)

Cc: [redacted]

Subject: RE: Water Filter

Will get back soon.

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Wednesday, July 22, 2015 12:17 PM

To: [redacted]

Subject: Water Filter

[redacted]

Per our last conversation, I expressed that we were interested acquiring and distributing 1500 water filters to Flint residents to assist with the quality (perceived or real) of their drinking water until the KWA pipeline comes online.

A few weeks ago, you asked me to send you the product ID number so you could check with your suppliers regarding price. I apologize for taking long to send you product ID; a number of conversations needed to occur in Flint before we could proceed.

The product ID for a Brita Filter for kitchen faucets is:

Product ID 3176421

UPC 7-23987-0078

Thank you for taking the time to look into this.

Best,

Harvey Hollins III, Director

Governor's Office of Urban Initiatives

313.456.4994<tel:313.456.4994> (office)

[redacted]

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

From: Clayton, Stacie (GOV)
Sent: Wednesday, July 29, 2015 5:24 PM
To: [redacted]
Cc: [redacted] Harvey (GOV)
Subject: RE: Water Filter

Thank you, [redacted] for the quick response. Harvey does have an additional question. Is the plan for the state to purchase the filters or is [redacted] donating them? The former is fine and the latter is great. If we purchase them we have to determine the process. If they are donated, I will identify the location in Flint where they will be shipped.

Stacie

From: [redacted]
Sent: Wednesday, July 29, 2015 1:56 PM
To: Clayton, Stacie (GOV)
Cc: [redacted]
Subject: Re: Water Filter

We are actually good to go and ready to ship vice copied [redacted] the VP over the area and my assistant.

Just let us know the "ship to" and we are on our way.

On Jul 29, 2015, at 1:47 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:

> Hi [redacted]
>
> I hope you are doing well and enjoying your summer. Please let me know a convenient time for a phone call with you so we can discuss the water filters.
>
> Thank you,
> Stacie
>
> ***Stacie Clayton, Assistant Director***
> Harvey Hollins III, Director
> Governor's Office of Urban Initiatives
> 3044 West Grand Boulevard, Ste. 14-650
> Detroit, MI 48202
> 313.456.4994 (office)
> claytons3@michigan.gov
>
> ---
>
> **From:** Hollins, Harvey (GOV)
> **Sent:** Wednesday, July 29, 2015 1:43 PM
> **To:** Clayton, Stacie (GOV)
> **Subject:** Fwd: Water Filter

Best,
Harvey

Begin forwarded message:

From: "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
Date: July 27, 2015 at 8:42:42 AM EDT
To: [redacted]
Cc: [redacted], "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>
Subject: Re: Water Filter

[redacted]
Thank you. We will work with [redacted] to identify the appropriate entity to receive the filters for Flint residents. In addition, we'll keep you out the public eye on this.

Please know, however, how much we appreciate [redacted] and most importantly you for doing this.

Best,
Harvey

On Jul 27, 2015, at 7:44 AM, [redacted] wrote:

Harvey -

We are all set. [redacted] can serve as liaison on this one. The merchant team can source 1,500 filters. We will get them to the community at cost. My guess is this will be $20k or so, but the team will give you a final number.

Because we don't want to be a state vendor, we won't sell them to you. [redacted] will work out logistics of whether we make a donation of gift cards to the state that you use to purchase them, or whether there is some other entity to which we can give them.

Given all the circumstances, we are not interested in any publicity. We want it to be clear that the state is providing these, not [redacted]

Thanks for reaching out.

[redacted]

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Thursday, July 23, 2015 12:20 PM

To: [redacted]

Subject: RE: Water Filter

Thank you.

-----Original Message-----

From: [redacted]

Sent: Thursday, July 23, 2015 10:57 AM

To: Hollins, Harvey (GOV)

Cc: [redacted]

Subject: RE: Water Filter

Will get back soon.

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Wednesday, July 22, 2015 12:17 PM

To: [redacted]

Subject: Water Filter

[redacted]

Per our last conversation, I expressed that we were interested acquiring and distributing 1500 water filters to Flint residents to assist with the quality (perceived or real) of their drinking water until the KWA pipeline comes online.

A few weeks ago, you asked me to send you the product ID number so you could check with your suppliers regarding price. I apologize for taking long to send you product ID; a number of conversations needed to occur in Flint before we could proceed.

The product ID for a Brita Filter for kitchen faucets is:

Product ID 3176421

UPC 7-23987-0078

Thank you for taking the time to look into this.

Best,

Harvey Hollins III, Director

Governor's Office of Urban Initiatives

313.456.4994<tel:313.456.4994> (office)

[redacted](Cell)

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

From: [redacted]
Sent: Wednesday, July 29, 2015 5:28 PM
To: Clayton, Stacie (GOV)
Cc: [redacted] Hollins, Harvey (GOV)
Subject: Re: Water Filter

They are actually being donated.

On Jul 29, 2015, at 5:23 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:

> Thank you, [redacted] for the quick response. Harvey does have an additional question. Is the plan for the state to purchase the filters or is [redacted] donating them? The former is fine and the latter is great. If we purchase them we have to determine the process. If they are donated, I will identify the location in Flint where they will be shipped.
>
> Stacie
>
> ---
>
> **From:** [redacted]
> **Sent:** Wednesday, July 29, 2015 1:56 PM
> **To:** Clayton, Stacie (GOV)
> **Cc:** [redacted]
> **Subject:** Re: Water Filter
>
> We are actually good to go and ready to ship vice copied [redacted] the VP over the area and my assistant.
>
> Just let us know the "ship to" and we are on our way.
>
> On Jul 29, 2015, at 1:47 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:
>
> > Hi [redacted]
> >
> > I hope you are doing well and enjoying your summer. Please let me know a convenient time for a phone call with you so we can discuss the water filters.
> >
> > Thank you,
> > Stacie
> >
> > ***Stacie Clayton, Assistant Director***
> > Harvey Hollins III, Director
> > Governor's Office of Urban Initiatives

3044 West Grand Boulevard, Ste. 14-650
Detroit, MI 48202
313.456.4994 (office)
claytons3@michigan.gov

From: Hollins, Harvey (GOV)
Sent: Wednesday, July 29, 2015 1:43 PM
To: Clayton, Stacie (GOV)
Subject: Fwd: Water Filter

Best,
Harvey

Begin forwarded message:

From: "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
Date: July 27, 2015 at 8:42:42 AM EDT
To: [redacted]
Cc: [redacted], "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Clement, Elizabeth (GOV)" <clementE@michigan.gov>
Subject: Re: Water Filter

[redacted]

Thank you. We will work with [redacted] to identify the appropriate entity to receive the filters for Flint residents. In addition, we'll keep you out the public eye on this.

Please know, however, how much we appreciate [redacted] and most importantly you for doing this.

Best,
Harvey

On Jul 27, 2015, at 7:44 AM, [redacted] wrote:

Harvey -

We are all set. [redacted] can serve as liaison on this one. The merchant team can source 1,500 filters. We will get them to the community at cost. My guess is this will be $20k or so, but the team will give you a final number.

Because we don't want to be a state vendor, we won't sell them to you. [redacted] will work out logistics of whether we make a donation of gift cards to the state that you use to purchase them, or whether there is some other entity to which we can give them.

Given all the circumstances, we are not interested in any publicity. We want it to be clear that the state is providing these, not [redacted]

Thanks for reaching out.

[redacted]

-----Original Message-----

From: Hollins, Harvey (GOV)
[mailto:hollinsh@michigan.gov]

Sent: Thursday, July 23, 2015 12:20 PM

[redacted]

Subject: RE: Water Filter

Thank you.

-----Original Message-----

From: [redacted]

Sent: Thursday, July 23, 2015 10:57 AM

To: Hollins, Harvey (GOV)

[redacted]

Subject: RE: Water Filter

Will get back soon.

-----Original Message-----

From: Hollins, Harvey (GOV)
[mailto:hollinsh@michigan.gov]

Sent: Wednesday, July 22, 2015 12:17 PM

[redacted]

Subject: Water Filter

[redacted]

Per our last conversation, I expressed that we were interested acquiring and distributing 1500 water filters to Flint residents to assist with the quality (perceived or real) of their drinking water until the KWA pipeline comes online.

A few weeks ago, you asked me to send you the product ID number so you could check with your suppliers regarding price. I apologize for taking long to send you product ID; a number of conversations needed to occur in Flint before we could proceed.

The product ID for a Brita Filter for kitchen faucets is:

Product ID 3176421

UPC 7-23987-0078

Thank you for taking the time to look into this.

Best,

Harvey Hollins III, Director

Governor's Office of Urban Initiatives

313.456.4994<tel:313.456.4994> (office)

[redacted](Cell)

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this

message should be construed as a digital or electronic signature or writing.

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

From: Clayton, Stacie (GOV)
Sent: Wednesday, July 29, 2015 5:32 PM
To: [redacted]
Cc: [redacted]r; Hollins, Harvey (GOV)
Subject: RE: Water Filter

Excellent! I will have the shipping address for you tomorrow. Have a great evening.

Stacie

From: [redacted]
Sent: Wednesday, July 29, 2015 5:28 PM
To: Clayton, Stacie (GOV)
Cc: [redacted] Harvey (GOV)
Subject: Re: Water Filter

They are actually being donated.

On Jul 29, 2015, at 5:23 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:

> Thank you, [redacted] for the quick response. Harvey does have an additional question. Is the plan for the state to purchase the filters or is [redacted] donating them? The former is fine and the latter is great. If we purchase them we have to determine the process. If they are donated, I will identify the location in Flint where they will be shipped.
>
> Stacie
>
> ---
>
> **From:** [redacted]
> **Sent:** Wednesday, July 29, 2015 1:56 PM
> **To:** Clayton, Stacie (GOV)
> **Cc:** [redacted]
> **Subject:** Re: Water Filter
>
> We are actually good to go and ready to ship vice copied [redacted] the VP over the area and my assistant.
>
> Just let us know the "ship to" and we are on our way.
>
> On Jul 29, 2015, at 1:47 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:
>
> > Hi [redacted]

I hope you are doing well and enjoying your summer. Please let me know a convenient time for a phone call with you so we can discuss the water filters.

Thank you,
Stacie

Stacie Clayton, Assistant Director
Harvey Hollins III, Director
Governor's Office of Urban Initiatives
3044 West Grand Boulevard, Ste. 14-650
Detroit, MI 48202
313.456.4994 (office)
claytons3@michigan.gov

From: Hollins, Harvey (GOV)
Sent: Wednesday, July 29, 2015 1:43 PM
To: Clayton, Stacie (GOV)
Subject: Fwd: Water Filter

Best,
Harvey

Begin forwarded message:

> **From:** "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
> **Date:** July 27, 2015 at 8:42:42 AM EDT
> **To:** [redacted]
> **Cc:** [redacted], "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>
> **Subject: Re: Water Filter**
>
> [redacted]
> Thank you. We will work with [redacted] to identify the appropriate entity to receive the filters for Flint residents. In addition, we'll keep you out the public eye on this.
>
> Please know, however, how much we appreciate [redacted] and most importantly you for doing this.
>
> Best,
> Harvey
>
> On Jul 27, 2015, at 7:44 AM, [redacted] wrote:

Harvey -

We are all set. [redacted] can serve as liaison on this one. The merchant team can source 1,500 filters. We will get them to the community at cost. My guess is this will be $20k or so, but the team will give you a final number.

Because we don't want to be a state vendor, we won't sell them to you. [redacted] will work out logistics of whether we make a donation of gift cards to the state that you use to purchase them, or whether there is some other entity to which we can give them.

Given all the circumstances, we are not interested in any publicity. We want it to be clear that the state is providing these, not [redacted]

Thanks for reaching out.

[redacted]

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Thursday, July 23, 2015 12:20 PM

To: [redacted]

Subject: RE: Water Filter

Thank you.

-----Original Message-----

From: [redacted]

Sent: Thursday, July 23, 2015 10:57 AM

To: Hollins, Harvey (GOV)

Cc: [redacted]

Subject: RE: Water Filter

Will get back soon.

-----Original Message-----

From: Hollins, Harvey (GOV)
[mailto:hollinsh@michigan.gov]

Sent: Wednesday, July 22, 2015 12:17 PM

To: [redacted]

Subject: Water Filter

[redacted]

Per our last conversation, I expressed that we were interested acquiring and distributing 1500 water filters to Flint residents to assist with the quality (perceived or real) of their drinking water until the KWA pipeline comes online.

A few weeks ago, you asked me to send you the product ID number so you could check with your suppliers regarding price. I apologize for taking long to send you product ID; a number of conversations needed to occur in Flint before we could proceed.

The product ID for a Brita Filter for kitchen faucets is:

Product ID 3176421

UPC 7-23987-0078

Thank you for taking the time to look into this.

Best,

Harvey Hollins III, Director

Governor's Office of Urban Initiatives

313.456.4994<tel:313.456.4994> (office)

[redacted](Cell)

NOTE: This electronic message and any files transmitted with it are confidential and intended

solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

From: Clayton, Stacie (GOV)
Sent: Thursday, July 30, 2015 3:04 PM
To: [redacted]
Cc: [redacted] Hollins, Harvey (GOV)
Subject: RE: Water Filter

[redacted]

Thank you, again. Below is the address for delivery of the water filters. Is it possible for me to receive a notice when they are shipped and a tracking number? That way I can ensure someone is at the church the day of delivery.

Deliver to:

Pastor Allen Overton
Mt. Carmel Baptist Church
1610 West Pierson Road
Flint, MI 48504
810.397.0219

Please let me know if you need anything else from me.

Stacie
313.456.4994 (office)
claytons3@michigan.gov

From: Hollins, Harvey (GOV)
Sent: Wednesday, July 29, 2015 6:58 PM
To: [redacted]
Cc: Clayton, Stacie (GOV); [redacted]
Subject: Re: Water Filter

We cannot express how much we appreciate this. Thank you!!

Best,
Harvey

On Jul 29, 2015, at 5:27 PM, [redacted] wrote:

> They are actually being donated.
>
> On Jul 29, 2015, at 5:23 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:
>
> > Thank you, [redacted] for the quick response. Harvey does have an additional question. Is the plan for the state to purchase the filters or is [redacted] donating them? The former is fine and the latter is great. If we purchase them we have to determine the process. If they are donated, I will identify the location in Flint where they will be shipped.

Stacie

From: [redacted]
Sent: Wednesday, July 29, 2015 1:56 PM
To: Clayton, Stacie (GOV)
Cc: [redacted]
Subject: Re: Water Filter

We are actually good to go and ready to ship vice copied [redacted] the VP over the area and my assistant.

Just let us know the "ship to" and we are on our way.

On Jul 29, 2015, at 1:47 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:

> Hi [redacted]
>
> I hope you are doing well and enjoying your summer. Please let me know a convenient time for a phone call with you so we can discuss the water filters.
>
> Thank you,
> Stacie
>
> ***Stacie Clayton, Assistant Director***
> Harvey Hollins III, Director
> Governor's Office of Urban Initiatives
> 3044 West Grand Boulevard, Ste. 14-650
> Detroit, MI 48202
> 313.456.4994 (office)
> claytons3@michigan.gov
>
> ---
>
> **From:** Hollins, Harvey (GOV)
> **Sent:** Wednesday, July 29, 2015 1:43 PM
> **To:** Clayton, Stacie (GOV)
> **Subject:** Fwd: Water Filter
>
> Best,
> Harvey
>
> Begin forwarded message:
>
> > **From:** "Hollins, Harvey (GOV)"
> > <hollinsh@michigan.gov>
> > **Date:** July 27, 2015 at 8:42:42 AM EDT
> > **To:** [redacted]

Cc: [redacted], "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>
Subject: Re: Water Filter

[redacted]

Thank you. We will work with [redacted] to identify the appropriate entity to receive the filters for Flint residents. In addition, we'll keep you out the public eye on this.

Please know, however, how much we appreciate [redacted] and most importantly you for doing this.

Best,
Harvey

On Jul 27, 2015, at 7:44 AM, [redacted] wrote:

Harvey -

We are all set. [redacted] can serve as liaison on this one. The merchant team can source 1,500 filters. We will get them to the community at cost. My guess is this will be $20k or so, but the team will give you a final number.

Because we don't want to be a state vendor, we won't sell them to you. [redacted] will work out logistics of whether we make a donation of gift cards to the state that you use to purchase them, or whether there is some other entity to which we can give them.

Given all the circumstances, we are not interested in any publicity. We

want it to be clear that the state is providing these, not [redacted]

Thanks for reaching out.

[redacted]

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Thursday, July 23, 2015 12:20 PM

To: [redacted]

Subject: RE: Water Filter

Thank you.

-----Original Message-----

From: [redacted]

Sent: Thursday, July 23, 2015 10:57 AM

To: Hollins, Harvey (GOV)

Cc: [redacted]

Subject: RE: Water Filter

Will get back soon.

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Wednesday, July 22, 2015 12:17 PM

To: [redacted]

Subject: Water Filter

[redacted]

Per our last conversation, I expressed that we were interested acquiring and distributing 1500 water filters to

Flint residents to assist with the quality (perceived or real) of their drinking water until the KWA pipeline comes online.

A few weeks ago, you asked me to send you the product ID number so you could check with your suppliers regarding price. I apologize for taking long to send you product ID; a number of conversations needed to occur in Flint before we could proceed.

The product ID for a Brita Filter for kitchen faucets is:

Product ID 3176421

UPC 7-23987-0078

Thank you for taking the time to look into this.

Best,

Harvey Hollins III, Director

Governor's Office of Urban Initiatives

313.456.4994<tel:313.456.4994> (office)

[redacted] (Cell)

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please

contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

From: [redacted]
Sent: Thursday, July 30, 2015 5:03 PM
To: Clayton, Stacie (GOV)
Cc: [redacted] Hollins, Harvey (GOV)
Subject: Re: Water Filter

I will pass on to [redacted] and copy all.

Thanks,

[redacted]

On Jul 30, 2015, at 3:04 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:

[redacted]

Thank you, again. Below is the address for delivery of the water filters. Is it possible for me to receive a notice when they are shipped and a tracking number? That way I can ensure someone is at the church the day of delivery.

Deliver to:

Pastor Allen Overton
Mt. Carmel Baptist Church
1610 West Pierson Road
Flint, MI 48504
810.397.0219

Please let me know if you need anything else from me.

Stacie
313.456.4994 (office)
claytons3@michigan.gov

From: Hollins, Harvey (GOV)
Sent: Wednesday, July 29, 2015 6:58 PM
To: [redacted]
Cc: Clayton, Stacie (GOV); [redacted]
Subject: Re: Water Filter

We cannot express how much we appreciate this. Thank you!!

Best,
Harvey

On Jul 29, 2015, at 5:27 PM, [redacted] wrote:

They are actually being donated.

On Jul 29, 2015, at 5:23 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:

> Thank you, [redacted] for the quick response. Harvey does have an additional question. Is the plan for the state to purchase the filters or is [redacted] donating them? The former is fine and the latter is great. If we purchase them we have to determine the process. If they are donated, I will identify the location in Flint where they will be shipped.
>
> Stacie
>
> ---
>
> **From:** [redacted]
> **Sent:** Wednesday, July 29, 2015 1:56 PM
> **To:** Clayton, Stacie (GOV)
> **Cc:** [redacted]
> **Subject:** Re: Water Filter
>
> We are actually good to go and ready to ship vice copied [redacted] the VP over the area and my assistant.
>
> Just let us know the "ship to" and we are on our way.
>
> On Jul 29, 2015, at 1:47 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:
>
> > Hi [redacted]
> >
> > I hope you are doing well and enjoying your summer. Please let me know a convenient time for a phone call with you so we can discuss the water filters.
> >
> > Thank you,
> > Stacie
> >
> > ***Stacie Clayton, Assistant Director***
> > Harvey Hollins III, Director
> > Governor's Office of Urban Initiatives
> > 3044 West Grand Boulevard, Ste. 14-650
> > Detroit, MI 48202
> > 313.456.4994 (office)
> > claytons3@michigan.gov

From: Hollins, Harvey (GOV)
Sent: Wednesday, July 29, 2015 1:43 PM
To: Clayton, Stacie (GOV)
Subject: Fwd: Water Filter

Best,
Harvey

Begin forwarded message:

> **From:** "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
> **Date:** July 27, 2015 at 8:42:42 AM EDT
> **To:** [redacted]
> **Cc:** [redacted], "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Clement, Elizabeth (GOV)" <clementE@michigan.gov>
> **Subject: Re: Water Filter**
>
> [redacted]
> Thank you. We will work with [redacted] to identify the appropriate entity to receive the filters for Flint residents. In addition, we'll keep you out the public eye on this.
>
> Please know, however, how much we appreciate [redacted] and most importantly you for doing this.
>
> Best,
> Harvey
>
> On Jul 27, 2015, at 7:44 AM, [redacted]

Harvey -

We are all set. [redacted] can serve as liaison on this one. The merchant team can source 1,500 filters. We will get them to the community at cost. My guess is this will be $20k or so, but the team will give you a final number.

Because we don't want to be a state vendor, we won't sell them to you. [redacted] will work out logistics of whether we make a donation of gift cards to the state that you use to purchase them, or whether there is some other entity to which we can give them.

Given all the circumstances, we are not interested in any publicity. We want it to be clear that the state is providing these, not [redacted]

Thanks for reaching out.

[redacted]

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Thursday, July 23, 2015 12:20 PM

To: [redacted]

Subject: RE: Water Filter

Thank you.

-----Original Message-----

From: [redacted]

Sent: Thursday, July 23, 2015 10:57 AM

To: Hollins, Harvey (GOV)

Cc: [redacted]

Subject: RE: Water Filter

Will get back soon.

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Wednesday, July 22, 2015 12:17 PM

To: [redacted]

Subject: Water Filter

[redacted]

Per our last conversation, I expressed that we

were interested acquiring and distributing 1500 water filters to Flint residents to assist with the quality (perceived or real) of their drinking water until the KWA pipeline comes online.

A few weeks ago, you asked me to send you the product ID number so you could check with your suppliers regarding price. I apologize for taking long to send you product ID; a number of conversations needed to occur in Flint before we could proceed.

The product ID for a Brita Filter for kitchen faucets is:

Product ID 3176421

UPC 7-23987-0078

Thank you for taking the time to look into this.

Best,

Harvey Hollins III, Director

Governor's Office of Urban Initiatives

313.456.4994<tel:313.456.4994> (office)

[redacted] (Cell)

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this

message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

From: [redacted]
Sent: Thursday, September 03, 2015 9:43 AM
To: Hollins, Harvey (GOV)
Subject: RE: Filters for Flint

Thanks, Harvey.

Let me know in the future if there's anything else we can do to assist.

[redacted]

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]
Sent: Wednesday, September 02, 2015 3:41 PM
To: [redacted]
Cc: Clayton, Stacie (GOV)
Subject: Filters for Flint

All,

On behalf of the Governor's Office, please accept this email as a thank you to [redacted] for the donation of 1500 kitchen water filters for Flint residents. I am aware you do not want any publicity or credit for the donation, but it is important for you to know the added comfort these filters will provide to the recipients as the water issue is resolved.

The Flint Concerned Pastors organization held an event yesterday to give away the filters. Residents were invited to come to a central location to pick up their filter. The Concerned Pastors targeted low income Flint residents and more than 1500 households showed up. They exhausted the donated supply in 4 hours with 200 people still waiting to get a filter.

Again, we appreciate [redacted] for being good corporate citizens. I wish all of you a Happy and Safe Labor Day Weekend.

Best,
Harvey

Harvey Hollins III, Director
Governor's Office of Urban Initiatives
3044 West Grand Boulevard, Ste. 14-650
Detroit, MI 48202
313.456.4994 (office)

From: Etue, Kriste (MSP)
Sent: Tuesday, October 06, 2015 10:28 AM
To: Hollins, Harvey (GOV)
Subject: FW: Flint Water Issue Update
Attachments: Flint Filters Press Release 10515.pdf; FLINT WATER MEETING CTOBER 5 2015.pdf

Harvey:

Here is Capt. Chris Kelenske's update from yesterday.

I think the EM part of this is being monitored very well.

Let me know if you hear or need anything.

From: Kelenske, Chris (MSP)
Sent: Monday, October 05, 2015 5:55 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Sands, Thomas (MSP); Smith, Paul (GOV)
Cc: Klotz, Josephine (MSP); Higgins, Lori (MSP); Artibee, Sally (MSP)
Subject: Flint Water Issue Update

District Coordinator, Lt. Roach, attended meetings today at Genesee Co DHHS and Genesee Co Untied Way referencer the continuing problem with Flint's water. The first meeting consisted of DHHS, Genesee County Community Action Resource Department **(GCCARD)**, Dept. of Human Services, Genesee CO Health Dept., Commission on Aging, Genesee County EM Jen Boyer, and a few other county depts. The distribution of filters was the main topic of conversation. Lt. Roach learned that so far 20,000 Britta faucet filters were purchased from Home Depot with the million dollars the state provided. The filters are in Flint and will be housed at the GCCARD warehouse awaiting distribution. Genesee Co Public Health Dept is taking the lead on public messaging/press releases.

Overall, it was a fairly productive meeting. Everyone from this meeting headed over to the next meeting at the United Way in Flint. Reps from the United Way ran the meeting which also included reps from the school district, public housing, and one rep, Sean Kammer, Asst to the City Administrator at the City of Flint. Unfortunately, Sean left early and requested he be emailed the information. Once again, a fairly productive meeting with distribution being the main topic of conversation, the use of volunteer groups to help install filters for elderly clients, school distribution, and public education/messaging. Much was worked out for distribution with it starting with priority groups. Attached is a summary of the meeting.

Today, 1800 filters were being distributed to Flint Public Housing including Section 8 housing with the agreement their building maintenance will install the filters for those who cannot. Other priority groups should start in the morning. It was also requested the UPC codes be blacked out so returns could not be made to Home Depot. Zero Water is providing filtered cups for after school activities and athletes. All classrooms will get filtering units with a 24 cup capacity. There are talks of filters for all drinking fountains. For those who cannot attach a regular filter to their faucet, ZeroWater filtered pitchers are going to be supplied. United Way ordered some today and may be in this week. Under sink filters will not be purchased due to cost and potential installment issues. Brita filter pitchers do not meet lead standards so they will not be used.

Jen Boyer has reached out to volunteer groups (CERT, VDF) for help with installments of filters for elderly or special needs people. There are also talks by the City of Flint water dept. of connecting outdoor faucets so people can go fill jugs for free. This may be decided by the end of the week. This water is good since it isn't going through any

distribution pipes. Lt. Roach advised there were talks of military water buffalos were brought up for water distribution for possibly the next week while the city works on getting their outdoor faucets figured out. I believe there may be other alternatives before we do this but I will get the NG as the water buffalos and any water distribution from them would need to be certified and that may take a couple days.

Genesee Co Public Health Dept is taking the PIO lead with help from the PIO from the United Way, Tom Wickersham. Tom is a PIO for GM and volunteers for the United Way. 211 will be used as well as some websites to advise of distribution points and as well as education. Right now 4 points will be used :2 DHHS offices, and 2 GCCARD locations. The Genesee County Community Action Resource Department **(GCCARD)** is an organization of individuals whose overall goal is to eliminate barriers and level the playing field for the poor, seniors, children and the hard to serve population of Flint and Genesee County. These opportunities may include pre-school training through our Head Start department for the young; receiving additional and/or job training in order to find a permanent job; seeking and finding of adequate housing if displaced; receiving of nutritional meals delivered on a daily basis, or receiving home improvement repairs when necessary.

A few areas of concern: lack of participation by the City of Flint government. The representative for Flint left early today with really not contributing anything to the effort while he was there. Ginna Holmes (DHHS) knows the Flint Mayor and is reaching out to him today ref this issue. The other area is people in the group expecting the state, namely Emergency Management, to run the meetings and the event. Lt. Roach explained we will not be running either but will participate and be a resource as much as possible. This is a local EM/public health issue unless it is determined we are taking the lead. Lt. Roach believes the Co Public Health Dept is going to take a lead role with help from others. Ginna Holmes and Jen Boyer will work closely with them along with DHHS. They have another meeting scheduled for Thursday at 10:00am at the United Way in Flint and Lt. Roach will be there and we will stay engage to assist. The United Way has done a tremendous job so far with this incident according to Lt. Roach.

Below are some notes on the attached press release reference the filters:

- Free water filters will be available to current Michigan Department of Health and Human Services clients and Flint residents at four locations beginning Tuesday, October 6, at 9 a.m. through a partnership between the MDHHS and the Genesee County Community Action Resource Department. Free National Sanitation Foundation certified water filters are being provided to Flint residents as part of the administration's comprehensive approach to addressing water concerns in the area.

- Current MDHHS clients are encouraged to visit either the 125 E. Union St. or 4809 Clio Road MDHHS office location to obtain a free, certified home water filter. Residents who are not currently enrolled in MDHHS assistance programs should visit the Genesee County Community Action Resource Department offices located at 2727 Lippincott and 601 North Saginaw in Flint. Staff will be onsite at all four locations from 9 a.m. to 4 p.m., Monday through Friday, to distribute filters and assist residents who have questions about proper installation.

- MDHHS clients in the city of Flint who are active Family Independence Program (FIP), Food Assistance Program (FAP), Child Development and Care (CDC), State Disability Assistance (SDA), or Social Security Insurance (SSI) recipients should bring valid identification and a copy of their water bill to their local MDHHS office to receive their filter free of charge. Flint residents who are not active MDHHS clients should bring identification and their water bill to the GCCARD location.

- Free water filters will be available to current Michigan Department of Health and Human Services clients and Flint residents at four locations beginning Tuesday, October 6, at 9 a.m. through a partnership between the MDHHS and the Genesee County Community Action Resource Department. Free National Sanitation Foundation certified water filters are being provided to Flint residents as part of the administration's comprehensive approach to addressing water concerns in the area.

- Current MDHHS clients are encouraged to visit either the 125 E. Union St. or 4809 Clio Road MDHHS office location to obtain a free, certified home water filter. Residents who are not currently enrolled in MDHHS assistance programs should visit the Genesee County Community Action Resource Department offices located at 2727 Lippincott and 601 North Saginaw in Flint. Staff will be onsite at all four locations from 9 a.m. to 4 p.m., Monday through Friday, to distribute filters and assist residents who have questions about proper installation.

- MDHHS clients in the city of Flint who are active Family Independence Program (FIP), Food Assistance Program (FAP), Child Development and Care (CDC), State Disability Assistance (SDA), or Social Security Insurance (SSI) recipients should bring valid identification and a copy of their water bill to their local MDHHS office to receive their filter free of charge. Flint residents who are not active MDHHS clients should bring identification and their water bill to the GCCARD location.

Chris

Capt. Chris A. Kelenske
Deputy State Director/Commander
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
(517) 333-5042

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY."

STATE OF MICHIGAN

RICK SNYDER
GOVERNOR

DEPARTMENT OF HEALTH AND HUMAN SERVICES
LANSING

NICK LYON
DIRECTOR

FOR IMMEDIATE RELEASE
October 5, 2015

CONTACT: Jennifer Eisner
(517) 241-2112

Water filters available for MDHHS clients in Flint beginning Tuesday

LANSING, Mich. – Free water filters will be available to current Michigan Department of Health and Human Services clients and Flint residents at four locations beginning Tuesday, October 6, at 9 a.m. through a partnership between the MDHHS and the Genesee County Community Action Resource Department. Free National Sanitation Foundation certified water filters are being provided to Flint residents as part of the administration's comprehensive approach to addressing water concerns in the area.

Current MDHHS clients are encouraged to visit either the 125 E. Union St. or 4809 Clio Road MDHHS office location to obtain a free, certified home water filter. Residents who are not currently enrolled in MDHHS assistance programs should visit the Genesee County Community Action Resource Department offices located at 2727 Lippincott and 601 North Saginaw in Flint. Staff will be onsite at all four locations from 9 a.m. to 4 p.m., Monday through Friday, to distribute filters and assist residents who have questions about proper installation.

"Ensuring that families in the Flint area have access to resources that will help reduce the potential for lead exposure is our top priority," said Nick Lyon, director of the MDHHS. "I want to thank our partners who have mobilized to make water filters available – a point that highlights the importance of continued collaboration at the local, state and federal level as we move forward."

MDHHS clients in the city of Flint who are active Family Independence Program (FIP), Food Assistance Program (FAP), Child Development and Care (CDC), State Disability Assistance (SDA), or Social Security Insurance (SSI) recipients should bring valid identification and a copy of their water bill to their local MDHHS office to receive their filter free of charge. Flint residents who are not active MDHHS clients should bring identification and their water bill to the GCCARD location.

Although blood lead levels throughout the city of Flint have remained steady, last week, MDHHS data was found to be consistent with a recent Hurley Children's Hospital study indicating increased blood lead levels in children residing in two Flint ZIP codes after a 2014 change in water source. While lead paint remains the number one cause of lead poisoning in Michigan, the recent data prompted MDHHS to take action to reduce potential lead exposures through water sources.

MDHHS is urging parents in Flint and throughout the state to do their part in preventing elevated blood lead levels in children. For more information about steps you can take now, visit www.michigan.gov/lead, or contact your local health department. For updates on Flint water and available resources, visit www.michigang.gov/flintwater.

###

Water Filter Distribution

Funding Availability
$100,000 - CS Mott Foundation
$225,000 - private funding and grant requests to UWGC
$1,000,000 - from DHHS for filter purchase
$250,000 - from Community Foundation (not public yet)

Filters

- 1,500 were distributed through Concerned Pastors - Harvey has list
- 4,000 given to Health Department will be distributing to special populations, started Saturday. There are 1,000 left. Working with Hurley to distribute through Healthy Start programs. IT will be taking spreadsheet to see who has already received this.
- Do not get Brita pitchers - they are not lead compliant
- 2,500 pitchers will be purchased by UWGC today

Public Housing is automatically going to get filters dropped today. Call Frank Woods to ask questions.

- Howard - 96 units
- Aldridge - 93 units
- River Park - 188 units
- Atherton - 192 units
- Scattered Sites - 68 units
- Garland - 40 units
- Forrest Park - 19 units
- Richert Manor - 132 units
- KMS - 159 units
- Centerview - 90 units
- Mince - 110 units

20,000 units through DHHS - housed at GCCARD

- Can be given to all residents
- 1,800 will be sent to Housing commission (section 8) today
- Veterans - there is a community department for veterans, these filters would secure through GCCARD.
- Health Dept needs some for their WIC department and wellness clinic and kidney dialysis centers. DHHS will supply filters to health dept to fill this need.
- Senior Citizens - Meals on Wheels - 653 households, will be distributed through GCCARD filters
- Family Service agency - 800 seniors are helped through this program, GCCARD will reach out and make sure there is not a duplication with Meals on Wheels. This group of residents a special plan will be put together for install through seniors homes.

- Senior Resident Communities - can we give filters to these housing facilities and can their maintenance person install. Health Dept will get those contacts to GCCARD.
- 20,000 vouchers will be distributed through case workers - vouchers will be received at DHHS today.
- DHHS clients will be able to receive their filters from either office as early as tomorrow. GCCARD will be available in those lobbies as well for non clients.
- Home Depot can deliver for FREE water filters to site

5,000 donated to UWGC from Zero Filter for after school and UWGC is purchasing one picture for every classroom at cost from Zero Filter to Flint Community Schools - we are also looking at purchasing one filter for every faucet, those filters are $250 each. UWGC will order today and they should be delivered by Wednesday.

City of Flint Water Dept - we have asked city to allow residents to come to the City of Flint Water plant and fill jugs of water. City of Flint plans to have a plan put together by week end.

UWGC has requested the state to appoint a full time emergency person to convene these meetings.

October 3, 2015 Distribution
Lead Agency - Genesee County Health Department
Distribution Site - University of Michigan-Flint Recreation Center
Requirements

- Live within zip codes 48501-48507
- Currently pregnant, breastfeeding or formula feeding an infant
- Have a child between the ages of 0-5

One filter will be given per household
Filter name and model being given - Pur Ult Vert Mount Water Filter System
Quantity of filters being given - 4,000
Contact - Tamara Brickey 810.257.2629

2-1-1 will be phone number for residents to call
Site can be setup within 24 hours.
Distributions Points
Information that can be shared to public
Eligibility for filters - open distribution within zip codes
Questions - health specific (ex. can my child take a bath, how do I install filter, filter type or intake type, (filters will be faucet and pitchers only)

Central Website -

JOIN THE MSP

From: Brian Larkin <blarkin@flintandgenesee.org>
Sent: Wednesday, October 07, 2015 3:38 PM
To: Hollins, Harvey (GOV)
Cc: Clayton, Stacie (GOV)
Subject: Flint City Council KWA Vote

Still waiting on hearing back from the city to get the original resolution but here are the mlive pieces that covered it from March until July. The meeting when the vote was held was March 25, 2013

March 25th 2013 **Flint council supports buying water from Lake Huron through KWA**
http://www.mlive.com/news/flint/index.ssf/2013/03/flint_city_council_again_delay.html
The Flint City Council voted 7-1 to get 16 million gallons per day from the Karegnondi Water Authority.

7th Ward councilperson Dale Weighill was absent
3rd Ward councilperson Bryant Nolden opposed
The rest were in favor.

March 25th, 2013 **Flint City Council approves resolution to buy water from Karegnondi, state approval still needed**
http://www.mlive.com/news/flint/index.ssf/2013/03/flint_city_council_approves_re.html
Under the proposal, Flint would get 16 million gallons per day of raw water from Lake Huron, pipe it to Flint for treatment and then sell it to customers throughout the City. Another 2 million gallons per day would come from the Flint River and will be treated in Flint. DEQ told the city it needed to get 18 million gallons per day or there would have to be additional work done at Flint's water plant. Flint's water plant and the Flint River is currently the backup for Flint and Genesee County, however, the plant only operates four times per year.

April 12th **State gives Flint OK to join Karegnondi Water Authority project, but Detroit gets to make final offer**

http://www.mlive.com/news/flint/index.ssf/2013/04/state_gives_flint_ok_t.html

The city of Flint has the state's blessing to join in construction of the planned Karegnondi Water Authoritypipeline project once it reviews a final offer from the city of Detroit on Monday, April 15.

April 19th **Governor steps into water war; set to meet with Genesee, Flint, Detroit today**

http://www.mlive.com/news/flint/index.ssf/2013/04/governor_steps_into_water_war.html#incart_river_default

The meeting comes in the same week that the Flint and Genesee County rejected a final offer to continue buying water from Detroit and two days after Detroit gave Flint a notice of termination of its 1965 water contract.

April 19th **Detroit gives notice: It's terminating water contract covering Flint, Genesee County in one year**

http://www.mlive.com/news/flint/index.ssf/2013/04/detroit_gives_notice_its_termi.html

The city of Detroit has given notice that it's terminating a nearly 50-year-old contract for selling water to Flint and the county next year.

July 23rd **Flint River now an option for drinking water following Detroit's termination of contract**

http://www.mlive.com/news/flint/index.ssf/2013/07/city_readying_water_plant_to_t.html

The Flint River was not a viable option to provide drinking water to city residents when the water relationship between Flint and Detroit was stable. But river water might be used temporarily as the city's water supply now that Flint signed an agreement with the Karegnondi Water Authority and will get up to 18 million gallons per day of raw water in 2016 from Lake Huron. The Flint River hadn't been an option, city officials previously said, because upgrades to Flint's water plant would be too expensive, the river didn't provide enough capacity to serve Flint residents' water needs and the Michigan Department of Environmental Quality would not allow it.

Brian Larkin

Director, Core Initiatives

Flint & Genesee Chamber of Commerce
519 S. Saginaw Street • Suite 200 • Flint, MI 48502
(P) 810.600.1406 [redacted] • (F) 810.600.1461
www.FlintandGenesee.org • BLarkin@FlintandGenesee.org

CONFIDENTIALITY NOTICE:
This email message and any accompanying data or files is confidential and may contain privileged information intended only for the named recipient(s). If you are not the intended recipient(s), you are hereby notified that the dissemination, distribution, and or copying of this message is strictly prohibited. If you receive this message in error, or are not the named recipient(s), please notify the sender at the email address above, delete this email from your computer, and destroy any copies in any form immediately. Receipt by anyone other than the named recipient(s) is not a waiver of any attorney-client, work product, or other applicable privilege.

From: Saxton, Thomas (Treasury)
Sent: Tuesday, September 29, 2015 11:54 AM
To: Hollins, Harvey (GOV)
Subject: FW: KWA & Water Quality Chronology Timeline
Attachments: KWA & Water Quality Chronology Timeline.09-28-15.docx

Importance: High

fyi

From: Saxton, Thomas (Treasury)
Sent: Monday, September 28, 2015 5:57 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Cc: Khouri, Nick (TREASURY) <KhouriN@michigan.gov>; Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>; Stanton, Terry A. (Treasury) <StantonT@michigan.gov>; Wurfel, Brad (DEQ) <WurfelB@michigan.gov>
Subject: FW: KWA & Water Quality Chronology Timeline
Importance: High

Dennis – attached is a first draft of a timeline. We will refine it tomorrow. We rec'd some info from Brad that we might need to incorporate. And Terry & Wayne's staff are still coming up with dates/events. Please let us know if this is what you had in mind.

Terry found these links; including an article when City Council approved the move/switch. There are some noteworthy quotes.

http://blog.mlive.com/newsnow_impact/print.html?entry=/2013/03/flint_city_council_approves_re.html

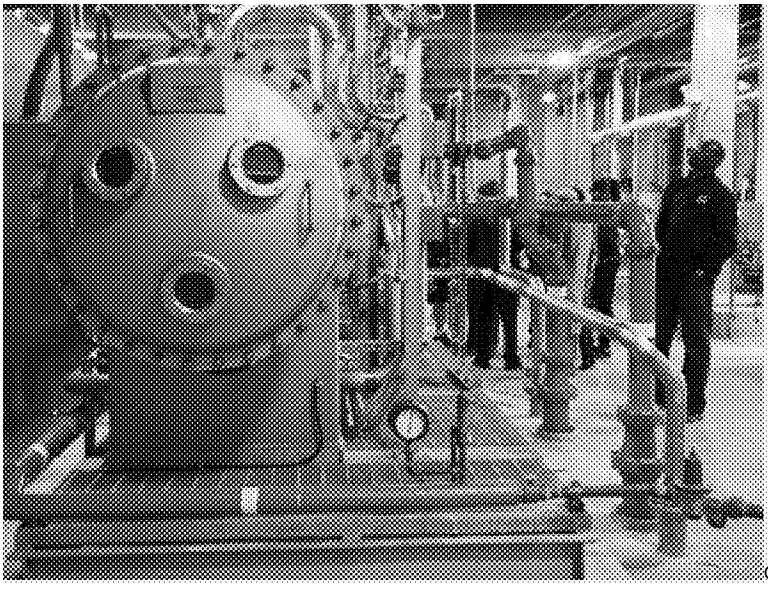
http://www.mlive.com/news/flint/index.ssf/2012/10/construction_permit_approved_s.html

Flint City Council approves resolution to buy water from Karegnondi, state approval still needed

Dominic Adams | dadams5@mlive.com By **Dominic Adams** | dadams5@mlive.com The Flint Journal

Follow on Twitter

on March 25, 2013 at 10:45 PM, updated March 26, 2013 at 1:28 AM



Guests get a look at an ozone generator at the Flint Water Treatment Plant during a public tour in this file photo. MLive.com File Photo

FLINT, MI – Flint is one step closer to getting its water from Lake Huron as part of the Karegnondi Water Authority.

The vote, **approved 7-1 at the Flint City Council meeting Monday, March 25**, may have set in motion the end to Flint paying to get its water from Detroit.

Under the proposal, Flint would get 16 million gallons per day of raw water from Lake Huron, pipe it to Flint for treatment and then sell it to customers throughout the city. Another 2 million gallons per day would come from the Flint River and will be treated in Flint.

Mayor Dayne Walling said the Department of Environmental Quality must approve Flint's getting 2 million gallons per day from the Flint River.

Tuesday's meeting followed weeks of discussions and special meetings surrounding the resolution.

"We got there," Councilman Joshua Freeman said. "That's the important thing."

There were more than 50 people at Monday's meeting.

"Going with Karegnondi is the best decision. We have no opinion on the economics of the decision," said Rebecca Fedewa, Flint River Watershed Coalition executive director. "If we start drawing water out of the Flint River, we are at risk of having to start releasing water from our reservoirs."

Genesee County Drain Commissioner Jeff Wright said the decision must still be approved by a county water and waste advisory board. The KWA board will then be reconvened for final approval.

Wright said construction could start in May.

State treasury officials still must approve the city council's move because Flint has an emergency financial manager. All expenditures over $50,000 must be approved.

Genesee County Drain Commissioner Jeff Wright has said that Flint would pay roughly $6.4 million annually for water service if it joined the pipeline – a nearly $4 million savings on what it pays Detroit for water.

Walling previously said the **city would save $19 million over eight years** by getting water from the KWA.

"It's a historic night in the City of Flint," Walling said. "The savings will be less with the capacity level approved by city council because there will be increased treatment cost for the river water."

He said the DEQ told the city it needed to get 18 million gallons per day or there would have to be additional work done at Flint's water plant.

Flint's water plant and the Flint River is currently the backup for Flint and Genesee County, however, the plant only operates four times per year.

Councilman Bryant Nolden was the lone dissenting vote.

"It was a protest vote," Nolden said. "I knew they had enough votes. I just feel like the Flint River is our best option."

Karengnondi is the regional water authority that includes Genesee, Lapeer and Sanilac counties and the cities of Flint and Lapeer.

****

Massive Karegnondi water project moving forward after state OKs pipeline tap into Lake Huron

Print

By Ron Fonger | rfonger1@mlive.com The Flint Journal
on October 01, 2012 at 7:00 AM, updated October 01, 2012 at 7:32 AM

0
Reddit
Email

Jeff Wright

GENESEE COUNTY, MI -- The state has approved a critical permit that allows the Karegnondi Water Authority to tap into Lake Huron with a 1.5-mile underground intake.

But water authority officials are still waiting for Flint to decide if it will be part of it.

Construction on the intake -- estimated to cost $27 million -- might mark the no-turning-back point for the massive project, and county Drain Commissioner Jeff Wright said other developments make it necessary Flint to make a final decision on its involvement in the next few months.

As control of Flint has shifted from mayors and city councils to emergency managers, the city has never committed to buying a minimum volume of water from the KWA.

"The only question at this point really is whether Flint is going to be a partner," said Wright, who has met with emergency financial manager Ed Kurtz and wants to resolve the question before Kurtz leaves his position -- something likely to happen soon after the November election.
"I'd say we have a couple of months here," Wright said of Flint's deadline. He described Kurtz as positive about the city's potential involvement but said, "There's still some questions Flint is working on with Detroit and Lansing."

Kurtz said he can't predict what will happen.

"We're looking at all our options," Kurtz said Friday.
County Commissioner Ted Henry, D-Clayton Twp., said regardless of the city's participation, the pipeline can be built by the remaining partners: Genesee, Sanilac and Lapeer counties and the city of Lapeer.

"The answer is yes," Henry said. "It will be a little different but it can go,"

The drain commissioner said construction of the pipeline intake, which has already been designed, is expected to start this year, after the job is put out for bids and borrowing is authorized by the county Board of Commissioners.

Building the intake will be specialized work, part of which must be done from a barge, and will require building tunnels below the sand bottom of the lake and laying an 84-inch pipe below the surface of the water.

In addition to the state Department of Environmental Quality permit to build the intake, the KWA also needs approval from the U.S. Army Corp of Engineers, Wright said.

A 45-day public comment period on the intake permit has passed and county officials said they expect the permit to be approved within two weeks.

Among other recent developments in the pipeline project:

- The Genesee County Water and Waste Advisory Committee, made up of elected and appointed city, township and village officials, has voted unanimously to set a date for accepting public bids to build the intake.
- The same committee has approved negotiating a contract with Wade Trim to act as program manager for the pipeline project once all necessary permits have been received.
- The county has revised its estimate on the cost of the intake portion of the pipeline from $40 million to $27 million.

Wright said his office is ready to negotiate a contract for Wade Trim to oversee the pipeline work, and said he expects six or seven engineering and surveying companies to assist in getting the job done.

County officials count those jobs among the 1,000 that they say will be created by building the pipeline.

"I want to use local (people) wherever possible and keep the money here," Wright said.

The drain commissioner said the selection of Wade Trim is important to the city of Flint because it signals the start of engineering, which includes decisions about the size of pumps, motors and pipes that will be used to build the pipeline.

Flint officials have options, including the use of Flint River water, or continuing to purchase water from the city of Detroit.

Wright said the only choice for the rest of the county is build the pipeline or sign a 30-year contract with Detroit.

A KWA study claims that continuing to buy water from Detroit will cost the region $2.1 billion during the next 25 years. By building a pipeline, that cost would be $1.9 billion over the same period, the KWA Web site says.

After the initial 25-year period, the cost of water would be less than 25 percent of the projected cost of water form Detroit, according to KWA.

Ron Fonger can be reached at 810-347-9963. You can also follow him on Twitter @ronfonger or subscribe on Facebook.

STATE OF MICHIGAN
DEPARTMENT OF TREASURY
LANSING

RICK SNYDER
GOVERNOR

NICK A. KHOURI
STATE TREASURER

Flint Water Timeline (09-28-15)

June 26, 2012 – Letter from Flint EM Mike Brown to DWSD for permission to begin blending Flint River water with treated water from DWSD. The letter indicates that the DEQ is supporting this option and its implementation would save the City between $2M and $3M annually.

September 20, 2012 – Letter from Flint EM Ed Kurtz to DWSD requesting written permission to implement the blending option. Approval is requested by October 1, 2012.

October 31, 2012 – Analysis by the Flint Finance Director suggests that the annual cost to purchase water from DWSD will steadily increase to $23M per year by fiscal year 2020.

November 2012 – Treasury retains Tucker, Young, Jackson and Tull (TYJT) to evaluate the KWA proposal to the City of Flint.

November 6, 2012 – Letter from Flint Emergency Manager Ed Kurtz to State Treasurer Dillon that a proposal from DWSD is expected but that the initial assessment is that switching to KWA is in the best interest of the City of Flint.

February 2013 – TYJT issues a final report to Treasury on the comparison between Karegnondi Water Authority (KWA) and DWSD. Analysis suggests that the KWA option is the cheaper option for the City of Flint.

March 2013 – DWSD contacts the City of Flint to begin direct negotiations on a contract extension. Multiple options are provided to the Flint Emergency Manager (EM) Ed Kurtz.

March 26, 2013 – The Flint City Council endorses joining KWA.

April 11, 2013 – State Treasurer Andy Dillon authorizes Flint EM Ed Kurtz, pursuant to Section 12(3) of P.A. 436 of 2012, to enter into a contract with KWA if a final offer from DWSD is either not received for rejected in good faith based upon specific objections.

April 15, 2013 – DWSD provides a best and final offer to the City of Flint. Analyses by Flint EM Ed Kurtz, the Department of Environmental Quality and Treasury's Office of Fiscal Responsibility independently conclude that the KWA option is cheaper for the City of Flint.

April 16, 2013 –Flint EM Ed Kurtz informs the State Treasurer that the City will join KWA. This decision was officially announced May 1, 2013.

April 17, 2013 – DWSD transmits a letter to Flint EM Ed Kurtz terminating service to the City of Flint, effective April 17, 2014.

June 2013 – Groundbreaking for the Karegnondi Water Authority. Flint also requests full time use of the Flint Water Treatment Plant with Flint River water as a source.

June 28, 2013 – Financing Contract between the City of Flint and KWA is approved. Effective September 1, 2013. This document was signed by EM Mike Brown.

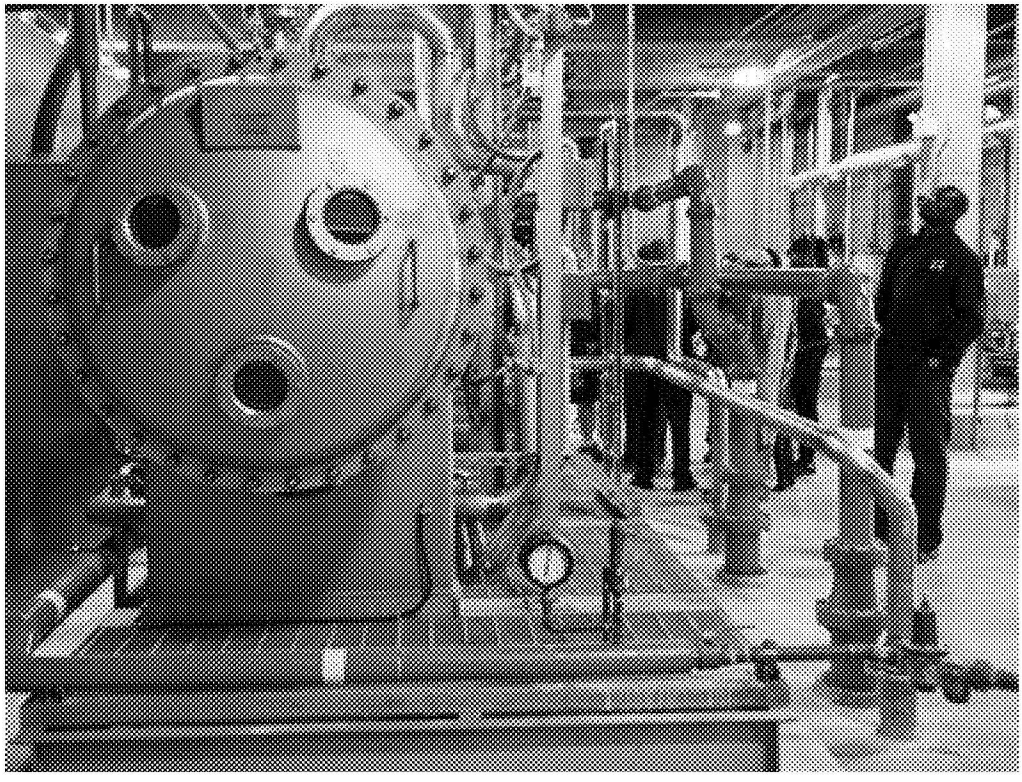
February 19, 2014 – The KWA Board of Directors adopts Resolution 2014-01, authorizing KWA to bond for water line construction on-behalf of the City of Flint.

April 17, 2014 – Water service from DWSD officially ends. The City of Flint also conducts two separate public forums regarding the use of Flint River water, upgrades to the City's water system and the overall cost of the switch to KWA.

April 25, 2014 – City conducts public event marking the transition to the use of Flint River water. DEQ information shows that transition complete by May 2015.

March 3, 2015 – Flint EM Jerry Ambrose provides a memorandum to Deputy State Treasurer Wayne Workman stating that a reconnection to DWSD will cost the City $10.1M/year and that water purchases could be as high as $1M/month.

March 12, 2015 – The City of Flint hires Veolia to conduct an operational evaluation of the City's water system.



From: Murray, David (GOV)
Sent: Friday, October 02, 2015 8:49 AM
To: Hollins, Harvey (GOV)
Subject: FW: HIGH PRIORITY: Updated Flint water action plan
Attachments: NR 151002 - Flint water action plan.docx; Infographic - Flint Water Action Plan 10-2-15.pdf; Infographic - Flint water tips 10-2-15.pdf; Flint water - talking points (draft 151001).docx

Importance: High

Harvey,

I wanted to make sure you had all of these -- especially the talking points.

From: Wurfel, Sara (GOV)
Sent: Thursday, October 01, 2015 11:42 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Posthumus, Dick (GOV) <Posthumusd@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>; Priest, Chris (GOV) <PriestC1@michigan.gov>; Ackerman, Darin (GOV) <ackermand3@michigan.gov>; Lange, Michelle (GOV) <LangeM3@michigan.gov>; Mcbride, Bill (GOV) <mcbrideb@michigan.gov>; Brown, Eric (GOV) <BrownE15@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>
Cc: Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>; Clayton, Stacie (GOV) <claytons3@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Brown, Jessica (GOV) <BrownJ53@michigan.gov>; Paciorek, Josh (GOV) <Paciorekj@michigan.gov>
Subject: HIGH PRIORITY: Updated Flint water action plan
Importance: High

Hi all –

Attached are several items pulled together to help announce the new comprehensive action plan related to Flint water tomorrow. This build upon past efforts and as aimed to be a real collaborative effort with local, state and federal agencies, along with city and community leaders. These items are:

- News release
- Infographics – one to summarize action plan and one to help highlight the tips for Flint residents
- High level points

The Governor, along with Dan Wyant, Nick Lyon, and Dr. Eden Wells are slated to do an embargoed media conference call with select reporters at 11:15 a.m. tomorrow.

This will be followed by a 1:30 p.m. press conference in Flint led by Directors Wyant and Lyon, moderated by Harvey, and including Dr. Wells and Flint Mayor Dayne Walling. EPA Region 5 Administrator Susan Headman dropped out late today due to some pending litigation. It's possible that Cong. Kildee and/or State Sen. Anaich and State Reps. Neely and Phelps may be participating as well.

There will also be a clearinghouse of Flint water information available at a new web site – www.michigan.gov/FlintWater. It will be live at 1 p.m. tomorrow.

Please review and let us know of any Qs, concerns, last edits, of if anything else is needed at all.

They are going through last review and refinement now. Please do not share materials until we know they are final.

Thanks much,
SW

Sara Wurfel, APR
Press Secretary | Executive Office of Governor Rick Snyder
wurfels@michigan.gov
517-335-6397, office
[redacted], mobile
Twitter:@SaraLW

STATE OF MICHIGAN
EXECUTIVE OFFICE
LANSING

RICK SNYDER
GOVERNOR

BRIAN CALLEY
LT. GOVERNOR

CONTACTS:	FOR IMMEDIATE RELEASE
Sara Wurfel or Dave Murray Governor's Office: 517-335-6397 Brad Wurfel, 517-284-6713 or Karen Tommasulo, 517-284-6714 Department of Environmental Quality Jennifer Eisner, 517-230-9804 Department of Health and Human Services	Friday, Oct. 2, 2015

Gov. Rick Snyder: Comprehensive action plan will help Flint residents address water concerns

Collaborative effort with state, federal and city leaders focuses on testing, assistance

FLINT, Mich. – Flint residents need to have access to safe, clean, water now and long into the future, Gov. Rick Snyder said, announcing a comprehensive action plan created with state, federal and city leaders to address concerns about drinking water.

The water leaving Flint's drinking water system is safe to drink, but some families with lead plumbing in their homes or service connections could experience higher levels of lead in the water that comes out of their faucets.

The action plan focuses on increasing water testing, offering additional precautions for families with lead plumbing in their homes, and providing long-term solutions to address the city's water infrastructure challenges. The plan was created at Snyder's direction by the Michigan Departments of Environmental Quality (DEQ) and Health and Human Services (DHHS), the U.S. Environmental Protection Agency, and the city of Flint.

"We are focused on helping ensure safe, clean, accessible drinking water and addressing and mitigating concerns and protecting public health," Snyder said. "Today's action plan builds upon ongoing work with local, state and federal agencies and our partnership with city and community leaders. Together, we are working to ensure that all Flint residents have accurate information and know that help is available to address potential problems."

The city and the state also are working together to gather more data to ensure the water that leaves the treatment plant as well as the water that arrives in Flint homes is safe for all residents. The plan includes:

- Testing in Flint public schools immediately to ensure that drinking water is safe, with testing also available at no cost to any other school in Flint.
- Offering free water testing to Flint residents to assure their drinking water is safe.
- Providing free water filters to residents with concerns or who are included in state assistance programs.
- Expanding health exposure testing of individual homes.

- Accelerating corrosion controls in the Flint drinking water system.
- Accelerating water system improvements to address replacing lead service lines.
- Expediting the completion of the Karegnondi Water Authority pipeline.
- Expanding a Safe Drinking Water Technical Advisory Committee to ensure the best technology, practices and science are being followed by adding an expert from the Environmental Protection Agency's Office of Research and Development to the group.
- Naming Dr. Eden Wells, chief medical executive for the Michigan Department of Health and Human Services, as the Flint drinking water public health adviser.
- Boosting a comprehensive lead education program to make sure residents have detailed information about how to protect themselves and their homes.

Residents can have their water tested by calling 810-787-6537 and pressing 1, or emailing flintwater@cityofflint.com. The DEQ is covering the cost of this testing.

State leaders have been working closely with state and federal lawmakers to tap resources at all levels of government to address concerns.

State health experts said there has been an increase in elevated childhood blood lead levels in some specific communities. Initial analysis of MDHHS data found that blood lead levels of children in Flint have followed an expected seasonal trend. While this analysis for Flint as a whole remains true, a comprehensive and detailed review breaking down data by ZIP codes with the city revealed that MDHHS data is consistent with a study presented recently by Hurley Children's Hospital.

"While we cannot conclusively say that the water source change is the sole cause of the increase, this analysis supports our efforts as we take active steps to reduce all potential lead exposures in Flint," MDHHS Director Nick Lyon said. "As part of this, we are working closely with our public and private partners to provide Flint residents on MDHHS assistance programs with free water filters and inform families about the steps they can take to reduce all lead exposures in their home."

As a part of the action plan, MDHHS is making National Sanitation Foundation certified water filters available to clients who are active Family Independence Program, Food Assistance Program, Child Development and Care or Social Security Insurance recipients.

"This action plan offers concrete steps we will take in a local, state and federal partnership to ensure all Flint residents have safe water to drink," DEQ Director Dan Wyant said. "The DEQ will work closely with the city to gather further data to ensure the water that leaves Flint's system as well as the water that arrives in Flint homes is safe to drink."

Additional information is available at www.michigan.gov/flintwater.

###

TAKING ACTION ON FLINT WATER

www.mi.gov/FlintWater

- The Action Plan -

- Testing in Flint public schools immediately to ensure that **drinking water is safe**, with testing also available at no cost to any other school in Flint.
- **Offering free water testing** to Flint residents to assure their drinking water is safe.
- **Providing free water filters** to residents with concerns or who are included in state assistance programs.
- **Expanding health exposure testing** of individual homes.
- **Accelerating corrosion controls** in the Flint drinking water system.
- **Accelerating water system improvements** to address replacing lead service lines.
- Expediting the completion of the **Karegnondi Water Authority** pipeline.
- **Expanding a Safe Drinking Water Technical Advisory Committee** to ensure the best technology, practices and science are being followed by adding an expert from the Environmental Protection Agency's Office of Research and Development to the group.
- Naming Dr. Eden Wells, chief medical executive for the Michigan Department of Health and Human Services, as the **Flint drinking water public health adviser**.
- Boosting a **comprehensive lead education program** to make sure residents have detailed information about how to protect themselves and their homes.

To get your water tested for free, please call the city of Flint Water Plant at (810) 787-6537 and then press 1.
You can also email flintwater@cityofflint.com

Visit www.mi.gov/FlintWater for more information

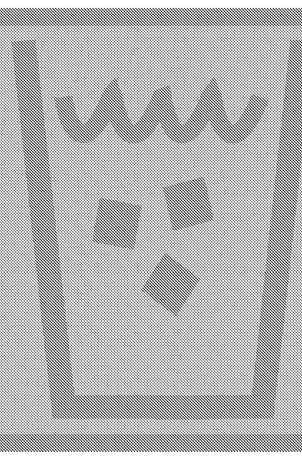
TAKING ACTION ON FLINT WATER

www.mi.gov/FlintWater

- Tips for Flint Residents -

Lead plumbing is common in homes built prior to 1986, and **anyone in the state with lead pipes in their home can take some extra precautions** to minimize lead in their drinking water.

1. Get your water tested at no cost to ensure water is safe. **To get your water tested**, please call the city of Flint Water Plant at (810) 787-6537 and then press 1.

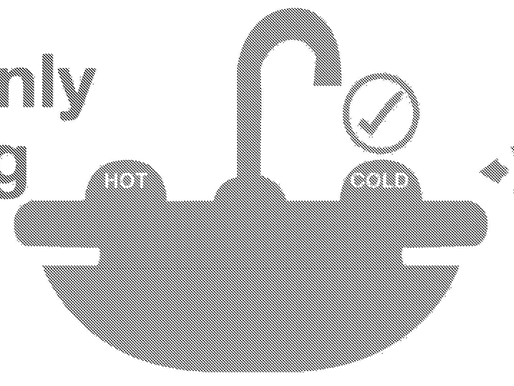


2. To ensure safe drinking water, you can also get a free filter. Please visit **mi.gov/FlintWater** to find where you can get a free filter.

3. It takes time for lead to accumulate in drinking water from plumbing, and so **flushing your pipes prior to using them** can minimize your exposure.

- To flush your pipes, run the water until it's as cold as it will go. This can take as little as 5 to 30 seconds if you have recently flushed the toilet or otherwise used water in your home, or as long as 2 to 5 minutes if you have not used any water in hours.
- In the city of Flint, **running the water for 5 minutes costs between 3 and 16 cents.**

4. Additionally, more lead gets into hot water than cold water. **Use only cold water for drinking, cooking and making baby formula.**



To get your water tested for free, please call the city of Flint Water Plant at (810) 787-6537 and then press 1.
You can also email flintwater@cityofflint.com

Visit **www.mi.gov/FlintWater** for more information

Flint Drinking Water Action Plan
Talking Points

Overall Messaging

- Repeated testing shows the water leaving Flint's drinking water system is safe to drink and meets all federal guidelines, including lead.
- After the switch the Flint River, the compliance testing protocol yielded results of 6 ppb in December 2014 and 11 ppb in June 2015. Both results were below the federal action level of 15 ppb.
- However, we recognize some residents experience higher levels of lead in the water that comes out of their faucets because of lead plumbing in the home, and that's a concern.
- Out of an abundance of caution, we want to address the needs of all Flint families, and so we have developed an action plan that includes both short- and long-term solutions.
- The state plan focuses on increasing water testing, offering additional precautions for families, and providing long-term solutions to address the city's water infrastructure.

Messaging regarding the action plan

The city and the state are working together to gather more data to ensure the water that leaves the treatment plant as well as the water that arrives in Flint homes is safe for all residents.

- **Immediately test Flint public schools to ensure that drinking water is safe. Testing will also be available at no cost to any other school in Flint.**
    - Although Flint's drinking water meets all federal requirements, the state wants to take extra steps to ensure that drinking water is safe for the city's children.
    - The state will fund this testing (about $30,000) at no cost to the city or the local schools, and make the results publicly available.

- **Expand health exposure testing of individual residences.**
    - To double-check its data as well as provide residents with an additional layer of assurance, the DEQ will conduct more tests at Flint properties.
    - The Technical Advisory Committee will determine the scope of this expanded testing.

- **Offer water testing at no cost to Flint residents to assure water is safe.**
    - Although all testing indicates water in the city of Flint meets all federal standards, we understand some residents are concerned.
    - To ensure water in individual homes is safe, free water testing is available to all Flint residents.
    - We encourage anyone with a concern to get their water tested.
    - Contact the city water department to have your water tested.

- **Accelerate optimizing corrosion controls in the Flint drinking water system.**

- A fully optimized corrosion control system can help coat the inside of pipes to minimize the amount of lead that enters the drinking water after it leaves the treatment plant.
- This is a helpful step that can help minimize lead system-wide, and we're pleased the city is moving to take this step.
- If asked: This was not initially required because a fully optimized corrosion control system is not federally required in many water systems. Even today, since Flint is meeting all federal standards, this fully optimized system is not required. However, to address public concerns and ensure every possible precaution is taken, the city is moving forward with installing this corrosion control system.

- **Expand the "Safe Drinking Water Technical Advisory Committee" to ensure the best technology, practices and science are being utilized, and add an expert from the EPA's Office of Research and Development to the group.**
  - The Safe Drinking Water Technical Advisory Committee will meet Oct. 7 to discuss fully optimizing the corrosion control system, expanding testing of at-risk properties, and other topics.
  - Tom Burke, the Deputy Assistant Administrator of EPA's Office of Research and Development as well as the EPA's Science Advisor, will participate on the committee. Prior to joining EPA, he held prominent positions at the Johns Hopkins Bloomberg School of Public Health and founded the Johns Hopkins Risk Sciences and Public Policy Institute. He brings substantial expertise, and we're pleased he is able join the committee.

- **Accelerate water system improvements to address replacement of lead service lines.**
  - Regardless of the drinking water source – whether it be DWSD, the Flint River or Lake Huron – the only permanent fix for lead is to replace all 18,000 of the private lead service lines in the city. These are the lines on private property that lead from the curb to individual homes.
  - This is a problem in communities statewide, and one we want to address with a long-term solution.
  - The state and EPA are working together to find a way for the city to access Drinking Water Revolving Loan funds for the work.

- **Expedite completion of Karegnondi Water Authority.**
  - The move to the Flint River was always a temporary measure until the connection to the KWA and to Lake Huron was completed.
  - This is the ultimate goal of the venture, and the state and locals will work together to speed up completion of the connection.
  -

- **Name Dr. Eden Wells as Flint Drinking Water Public Health Advisor.**
  - Dr. Wells is the Director for the Preventive Medicine Residency at the University of Michigan School of Public Health in Ann Arbor as well as the Chief Medical Executive for MDHHS.

- She brings years of experience in epidemiology and preventative medicine to the issue, and we're thrilled to have her expertise.
- Dr. Wells will coordinate with Hurley Medical Center to share data on blood lead levels in children, as well as address other emerging issues.

- **Provide water filters to residents of Flint.**
  - As an additional precaution, water filters will be available to low-income families.
  - This provides another safeguard to ensure everyone in the city of Flint has access to clean drinking water that they feel confident drinking.

- **Expand a comprehensive lead education initiative.**
  - Lead plumbing is common in homes built prior to 1986, and anyone in the state with lead pipes in their home can take some extra precautions to minimize lead in their drinking water.
  - It takes time for lead to accumulate in drinking water from plumbing, and so flushing your pipes prior to using them can minimize your exposure.
    - To flush your pipes, run the water until it's as cold as it will go. This can take as little as 5 to 30 seconds if you have recently flushed the toilet or otherwise used water in your home, or as long as 2 to 5 minutes if you have not used any water in hours.
    - In the city of Flint, running the water for 5 minutes only costs about 3-16 cents, depending on your faucet.
  - Additionally, more lead gets into hot water than cold water. Use only cold water for drinking, cooking and making baby formula.

From: Hollins, Harvey (GOV)
Sent: Wednesday, April 29, 2015 12:11 PM
To: 'Clayton, Stacie (GOV)'
Subject: 20150429_Flint Emergency Management and Water Briefing.docx
Attachments: 20150429_Flint Emergency Management and Water Briefing.docx

Flint Emergency Management Briefing

Before 2011

Flint has been devastated by decades of plant closings and mass layoffs in the auto industry. In 1970, GM employed 82,000 workers in the city. Now, there are less than 8,000. Over the same four decades, the population has gone from 193,000 to just over 100,000.

In 2002, the city of Flint attempted to avoid emergency management, by cutting $12 million, including closing a northside police precinct and halting ambulance service. However, the review team determined that a fiscal emergency existed in Flint, former Gov. John Engler later declared a financial emergency and the city was placed under state receivership. Governor Engler appointed Ed Kurtz, former president of a private business college, as emergency financial manager to oversee Flint's finances. A city audit five months into Kurtz's tenure revealed a $26.6 million deficit.

Before Kurtz was appointed, the city had eliminated it's ambulance and housing services. The cuts Kurtz initiated included: closing the city's recreation centers, cutting mayor and council pay, raising water bills 11%, and eliminating 54 jobs.

In 2004, Governor Granholm removed the emergency manager, but continued oversight through January 2006.

EM Administrations and governing public acts:

○ Ed Kurtz	2002-2004	PA 72
○ Michael Brown	2011-2012	PA 4 (PA 4 was suspended in 2012)
○ Ed Kurtz	2012-2013	PA 72 – PA 436
○ Michael Brown	2013	PA 436
○ Darnell Early	2013-2014	PA 436
○ Gerald Ambrose	2015	PA 436

Emergency Management after 2011

Achieved Benchmarks:

- Complete elimination of operating deficits through cost reductions and the implementation of financial best practices
- General Fund accumulated deficit reduction from 19.1 million in 2012 to approximately $7 million currently
- Flint City Lockup reopens for the first time since 2008. It can house up to 110 inmates for up to 72 hours and costs $2.1 million annually to operate.
- Workforce and employee compensation both have been reduced by 20%
- $850 million in unfunded OPEB liabilities has been reduced to $240 million
- A qualified city administrator has been hired.
- Consolidation of the city-funded 68th district court into the county funded 67th district court creating $800k in annual savings.
- Consolidation of 911 dispatch services into the county system. More than $1 million in annual savings.
- The City has adopted its first Master Plan since the 1960s.
- The City adopted a new Capital Improvement Plan.

- The City implemented a new methodology for blight.
- The City will request a $7 million emergency loan to fully eliminate its remaining General Fund Accumulated deficit.

Remaining Challenges:

- OPEB reductions are subject to a federal lawsuit. Loss of this legal action means an additional $5million annual OPEB expense.
- Future expense reductions are necessary to balance multi-year projections.
- The transition to KWA and maintenance of the aging water distribution infrastructure are important challenges which require significant funding and continued leadership.
- The City must reappraise all of the real property in the City prior to the 2018 Assessment Roll. This will be a costly, but necessary undertaking.

Flint Water Briefing

In November 2012 the Department of Treasury commissioned the firm of Tucker, Young, Jackson & Tull, Inc. (TYJT) to analyze options for the City of Flint to either remain a customer of the Detroit Water & Sewer Department (DWSD) or to join the Karegnondi Water Authority (KWA) in Genesee County. The purpose of this study was to provide objective analyses to the State Treasurer and Flint's Emergency Financial Manager (EFM) in order to secure future potable drinking water for the City.

In December 2012, staff from TYJT met with representatives from the Department of Treasury and the City of Flint to provide a preliminary report on their findings. At this meeting, options presented were: 1) Flint Water Plant will provide 100% water, 2) 100% provision of untreated Lake Huron Water by KWA, 3) 100% provision of treated drinking water by DWSD, or 4) provision of variable amounts of water from DWSD using a combination of blended DWSD water and Flint River water.

The Flint EFM eliminated all options except the 100% DWSD option or joining KWA, deciding later to join KWA.

On April 25, Flint officially ended nearly 50-years of using DWSD to supply water.

The city currently uses the Flint River until the Karegnondi Water Authority pipeline is built, which will bring untreated Lake Huron water to Genesee County. KWA should be operational by winter 2016.

The Flint river water is harder than DWSD. A number of residents are experiencing discoloration and order with the water. In addition there have been a number of citations largely around heighten levels of Total Trihalomethanes (TTHM).

Given water quality concerns, suggestions have been made that the City of Flint should return to using water purchased through the Detroit Water and Sewerage Department (DWSD). For many reasons, financial and otherwise, the City of Flint can ill-afford to switch courses at this point. The estimated cost to go back to the water provided by the DWSD is approximately $1 million per month and the City expects to be using the Karegnondi Water Authority (KWA) Lake Huron water within or before the 1st quarter of 2016.

The City of Flint is proceeding with a series of actions to ensure the continued safety of Flint drinking water is maintained and that issues of discoloration and odor continue to be addressed. Most notably, the installation of a Granulated Active Charcoal filter (GAC) at the Water Treatment Plant is expected to be authorized this week by Emergency Manager Jerry Ambrose.

The introduction of the GAC to the treatment process at Flint's plant will absorb or reduce the chemical precursors which will block or eliminate the formation of TTHM during the filtration process. Engineering and design are underway and installation of the GAC is targeted for completion by mid-July. Cost of this improvement is projected at $1.5 million and will be paid for by the proceeds from the state approved restructuring of the City's Drinking Water Revolving Fund loans.

In addition to the installation of the GAC, the City of Flint is undertaking a number of other improvements to the water system in the coming months, including a water leak detection monitoring, completion of the hydraulic model and subsequent targeted hydrant flushing program, and the replacement of two miles of water main pipe in a critical area of the city. All of these improvements scheduled to occur within the next six months.

Subject: Flint Water Advisory Task Force
Location: Conference Call [redacted]

Start: Wed 12/16/2015 9:30 AM
End: Wed 12/16/2015 12:00 PM

Recurrence: Weekly
Recurrence Pattern: every Wednesday from 9:30 AM to 12:00 PM

Meeting Status: Accepted

Organizer: Clayton, Stacie (GOV)
Required Attendees: Hollins, Harvey (GOV)

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
[redacted]

Ken Sikkema

Senior Policy Fellow

Public Sector Consultants

[redacted]

To: Clayton, Stacie (GOV); Hollins, Harvey (GOV)

Flint Water Advisory Task Force

January 6, 2016

9:30am-12:00pm

Michigan Environmental Council

602 W. Ionia, Lansing, MI 48933

Call In Number: [redacted]

Access Code: [redacted]

1. Review Agenda 9:30-9:35am
2. Brief Update since sending the Second Letter to Governor 9:35-9:50am
3. Task Force Work Plan 9:50-11:30am

a. FWATF Workplan Update

b. Status of Interviews

c. Report Outline

d. Major Next Steps

e. Press Interactions

f. U.S. Attorney Investigation

4. Harvey Hollins Report 11:30-11-45am (unless already covered in earlier discussions)

a. Update on proposed FWIACC

b. Meeting between Mayor and Governor

5. "Round Robin"—Issues Task Force Members Want to Raise—11:45-11:55am
6. Task Force Logistics—11:55-12:00pm

a. Next Meetings

i. January 14, 2016--PSC

To: Clayton, Stacie (GOV); Hollins, Harvey (GOV)

Ken Sikkema

Senior Policy Fellow

Public Sector Consultants

[redacted]

To: Clayton, Stacie (GOV); Hollins, Harvey (GOV)

Ken Sikkema

Senior Policy Fellow

Public Sector Consultants

[redacted]

From: Mona Hanna-Attisha <[redacted]>
Sent: Monday, December 14, 2015 7:02 PM
To: Baird, Richard (GOV); Laurence Reynolds; Matthew M. Davis; Chris Kolb; Ken Sikkema; Chris De Witt; 'Eric Rothstein'; Lyon, Nick (DHHS); Hollins, Harvey (GOV)
Subject: RE: Meeting with Dr. Mona Hanna-Attisha and Flint Water
Attachments: #flintwatercrisis Secondary Prevention Recommendations 121415.pdf

Mr. Baird and all the other guys,

It was a pleasure meeting everyone and a privilege to present to you all. As I said, we have an incredible and unique opportunity to mitigate the impact of this population-wide exposure. If we act now, proactively, we can buffer our kids from the life-altering impacts of lead poisoning.

Flint has many claims to fame (we put the world on wheels, we birthed Mr. Baird!, etc); and now, with your leadership, we can continue to build generations of strong, smart, and healthy children.

If I can be of any further assistance, please don't hesitate to contact me. Email or cell [redacted]

Thanks again, Mona

Mona Hanna-Attisha MD MPH FAAP
Program Director Pediatric Residency
Hurley Children's Hospital at Hurley Medical Center
Michigan State University College of Human Medicine
Department of Pediatrics and Human Development
[redacted]

From: Baird, Richard (GOV) [bairdr@michigan.gov]
Sent: Thursday, December 10, 2015 2:27 PM
Required: Baird, Richard (GOV); Laurence Reynolds; Matthew M. Davis; Chris Kolb; Ken Sikkema; Chris De Witt; 'Eric Rothstein'; Lyon, Nick (DHHS); Grijalva, Nancy (DHHS); Mona Hanna-Attisha
Subject: Meeting with Dr. Mona Hanna-Attisha and Flint Water
When: Monday, December 14, 2015 11:00 AM-12:00 PM.
Where: Governor's Conference Room, 2nd Floor Romney Building, 111 S. Capitol Ave., Lansing, MI 48933

Good Morning,

This is to confirm the meeting with Rich Baird on **Monday, December 14** at **11:00 a.m.** in the Governor's Conference room, second floor Romney Building, 111 S. Capitol Ave. Lansing, MI 48933.

We are located at the George W. Romney Building, 111 S. Capitol Avenue, Lansing. The Romney Building is located directly across the street (Capitol Avenue) from the Capitol Building. There is some metered parking around the building. The closest parking facility is one block south at the corner of Capitol Avenue and Allegan Street (enter the parking facility from Capitol Avenue). https://www.parkme.com/lot/93032/tower-parking-ramp-lansing-mi

You will also want to have a picture I.D. handy for security in the Romney Building. Please let security know who you have a meeting with, they will call me and then send you up to the second floor.

Please let me know if you have any questions.

Thank you!

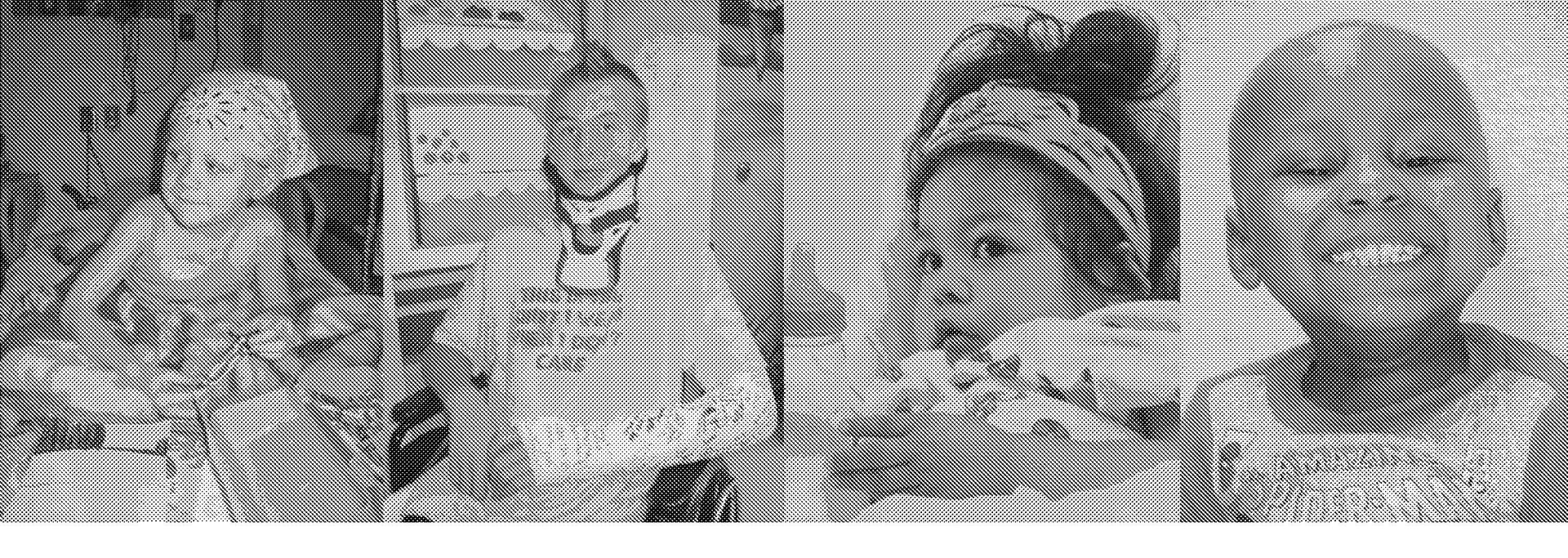
Virginia Manolakoudis
Executive Assistant for Richard Baird
Executive Office of Governor Rick Snyder
(517) 241-5621
ManolakoudisV@michigan.gov

#flintwatercrisis

HURLEY CHILDREN'S HOSPITAL

Background & Secondary Prevention

Mona Hanna-Attisha MD MPH FAAP
Hurley Children's Hospital
Michigan State University College of Human Medicine



Agenda

- Flint Water Timeline
- Lead Facts
- Hurley Research Findings
- Introduction to Toxic Stress
- Next steps – Secondary Prevention

Flint Drinking Water Crisis

HURLEY CHILDREN'S HOSPITAL

- Financial Emergency Managers
- Water switch to Flint River (April 2014)
- Fecal coliform and boil advisories *3 (Sept 2014)
- GM stopped using Flint water – corroding parts (Oct 2014)
- Disinfectant byproducts TTHM (Jan 2015-Sept 2015)

Flint Drinking Water Crisis

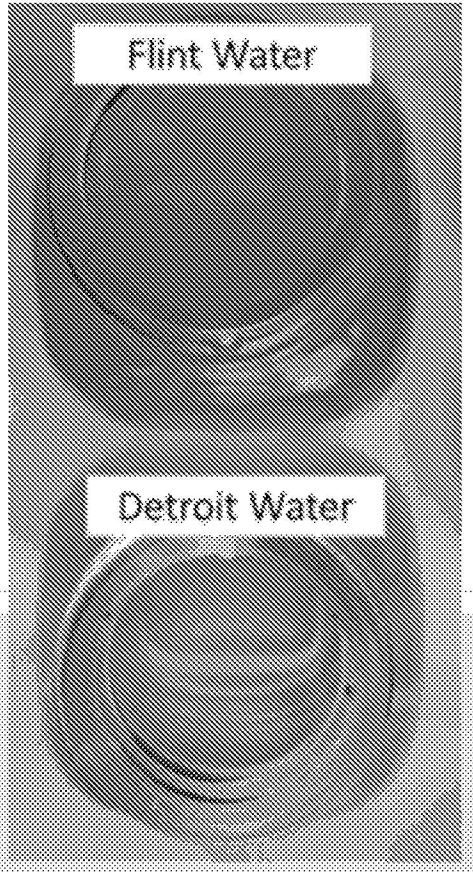
HURLEY CHILDREN'S HOSPITAL

- Perfect storm for lead leaching
  - Flint water more corrosive
  - Lack of corrosion control
  - Aging infrastructure (lead plumbing)
  - Decreased water use - population loss, high water rates

Flint Drinking Water Crisis

HURLEY CHILDREN'S HOSPITAL

- High lead levels detected, EPA contacted (February 2015)
- Leaked EPA memo (June 2015)
  - LeeAnn Walters WLL 13,200 ppb (toxic waste)
- Dr Marc Edwards, Virginia Tech Research (Aug 2015)
  - Flintwaterstudy.org
  - Corrosion & water lead
- Hurley Research (Sept 2015)



https://www.wsws.org/en/articles/2015/09/26/flin-s26.html

Why do we care about lead?

HURLEY CHILDREN'S HOSPITAL

- Lead is a potent neurotoxin with lifelong, multigenerational impacts
- Blood lead levels (BLL) 5 ug/dL or more considered elevated blood lead levels (EBLL)
- Just a few years ago (2012), 10 ug/dL was cutoff
- NO safe blood lead level
- Disproportionately impacts low income and minority children

- Primary prevention is most important

HURLEY MEDICAL CENTER

Primary Prevention

HURLEY CHILDREN'S HOSPITAL

- "Because no measurable level of blood lead is known to be without deleterious effects, and because once engendered, the effects appear to be irreversible in the absence of any other interventions, public health, environmental and housing policies should encourage PREVENTION of all exposure to lead."

"Low Level Lead Exposure Harms Children: A Renewed Call for Primary Prevention." 2012 CDC Advisory Committee on Childhood Lead Poisoning Prevention.

HURLEY MEDICAL CENTER

Impact on cognition

HURLEY CHILDREN'S HOSPITAL

- Vast evidence supports increased likelihood of:
  - Decrease in IQ
    - An increase in BLL from 1 to 4 ug/dL, drops mean IQ -3.7 points
  - Small change in mean IQ, shifts entire population IQ distribution
    - Reduces high achievers IQs (>130) and increases kids with low IQs (<70)
    - Implications for early intervention, special education services, employment, incarceration, life achievement, etc

Lanphear BP et al., Low-level environmental lead exposure and children's intellectual function: an international pooled analysis. Environ Health Perspect, 2005. 113:894-9.
Fewtrell LJ, Pruss-Ustun A, Landrigan P, and Ayuso-Mateos JL, Estimating the global burden of disease of mild mental retardation and cardiovascular diseases from environmental lead exposure. Environmental Research, 2004. 94:120-33.

HURLEY MEDICAL CENTER

Impact on behavior

HURLEY CHILDREN'S HOSPITAL

- Increased likelihood of :
  - ADHD behaviors
  - Delinquent behaviors and arrests
  - Total arrests and increased rates of arrests involving violent offenses
  - Other health effects: hematologic, cardiovascular, immunologic, endocrine, etc

Wright, JP, KN Dietrich, MD Ris, et al. 2008. Association of prenatal and childhood blood lead concentrations with criminal arrests in early adulthood. *PLoS Med* 5(5): e101
Chen, A, B Cai, KN Dietrich, et al. 2007. Lead exposure, IQ, and behavior in urban 5-7 year-olds: Does lead affect behavior only by lowering IQ? *Pediatrics* 119(3): e650-e658.
Needleman, HL, C McFarland, RB Ness, et al. 2002. Bone lead levels in adjudicated delinquents: A case control study. *Neurotoxicology and Teratology* 24(6):711-717.

HURLEY MEDICAL CENTER

Cost

HURLEY CHILDREN'S HOSPITAL

- "For childhood lead poisoning, $5.9 billion in medical care costs, as well as an additional **$50.9 billion** (sensitivity analysis: $44.8–$60.6 billion) per year in lost economic productivity resulting from reduced cognitive potential from preventable childhood lead exposure."

- "The present value of Michigan's economic losses attributable to lead exposure in the 2009 cohort of 5 year-olds ranges from $3.19 (using U.S. blood lead levels) to **$4.85 billion** (using Michigan blood lead levels) per year in loss of future lifetime earnings."

Leonardo Trasande and Yinghua Liu. Reducing The Staggering Costs Of Environmental Disease In Children, Estimated At $76.6 Billion In 2008. *Health Affairs*, 30, no.5 (2011):863-870

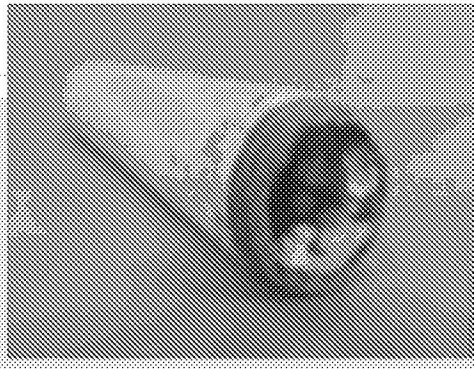
The Price of Pollution: Cost Estimates of Environment-Related Childhood Diseases in Michigan. 2010 Report by Michigan Network of Children's Environmental Health

HURLEY MEDICAL CENTER

Lead in Water

HURLEY CHILDREN'S HOSPITAL

- Not what medicine/public health used to
  - Lead paint obsessed
  - "drinking through a lead painted straw"
- Soluble metal – ingestion via particulate or dissolved in water
- Drinking and cooking risks



Lead in water

HURLEY CHILDREN'S HOSPITAL

- Disproportionally impacts developmentally-vulnerable formula-fed infants
  - For about 25% of infants drinking formula made from tap water at 10 ppb, blood lead would rise >= 5 ug/dL
- Significant risk to unborn babies
  - Increase in fetal deaths and reduced birth weights

Triantafyllidou, S., Gallagher. D. and Edwards, M. Assessing risk with increasingly stringent public health goals: the case of water lead and blood lead in children. Journal of Water and Health. doi: 10.2166/wh.2013.067 58-68 (2014).
Edwards, M. Fetal Death and Reduced Birth Rates Associated with Exposure to Lead-Contaminated Drinking Water. Env. Sci. and Tech. 2013 DOI: 10.1021/es4034952

HURLEY MEDICAL CENTER

HURLEY CHILDREN'S HOSPITAL

Hurley Children's RESEARCH FINDINGS

Sept 24

Medical Community Press Conference

HURLEY MEDICAL CENTER

Methods

- HMC IRB approved
- Data from all blood lead levels processed at Hurley Medical Center
- ZIP code based
- Two periods of comparison (same seasons):
  - PRE-SWITCH: January 1, 2013 – September 15, 2013
    - WATER SWITCH APRIL 26, 2014
  - POST-SWITCH: January 1, 2015 – September 15, 2015
- Analyzed % Elevated Blood Lead (EBLL)
  - EBLL = Blood lead Levels >= 5 ug/dL

Initial Research Results

- Zip code based (in media)

	ALL FLINT ZIPS (n=1746)	HIGH-WLL FLINT ZIPs (48503-48504) (n=742)	NON-FLINT ZIPS (n=1670)
PRE-SWITCH	2.1%	2.5%	0.6%
POST-SWITCH	4.0%	6.3%	1.0%

GEOcoded Analysis

HURLEY CHILDREN'S HOSPITAL

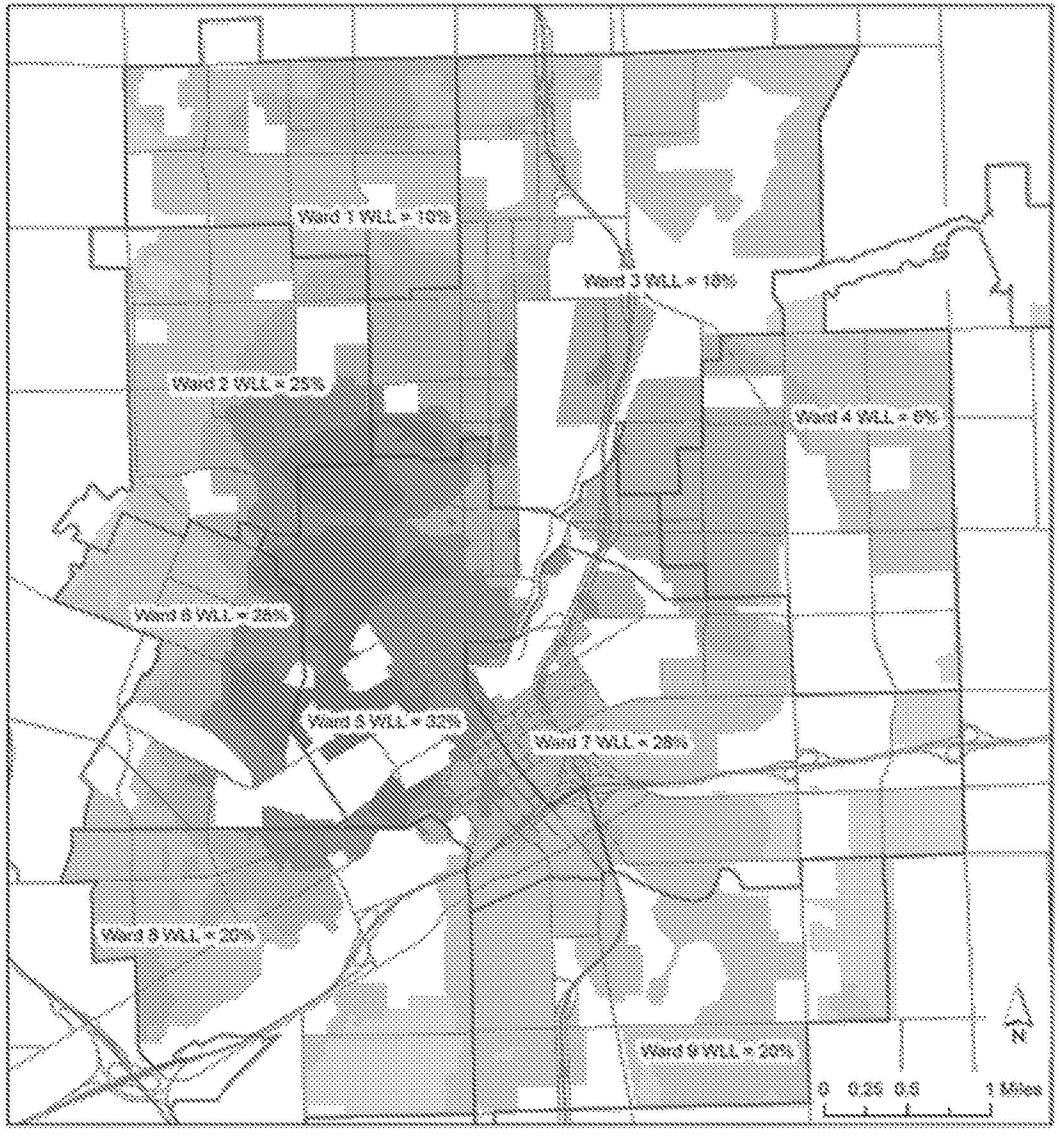
- N= 1473 for Flint water children (pre n=736, post n=737)
- N= 2202 for non-Flint water children (pre n=1210, post n=992)

Flint results for children 5 years and under:

- PRE-SWITCH % EBLL: **2.4%**
- POST-SWITCH % EBLL: **4.9%**
- **$p < 0.05$; STATISTICALLY SIGNIFICANT CHANGE**

HURLEY MEDICAL CENTER

HURLEY CHILDREN'S HOSPITAL



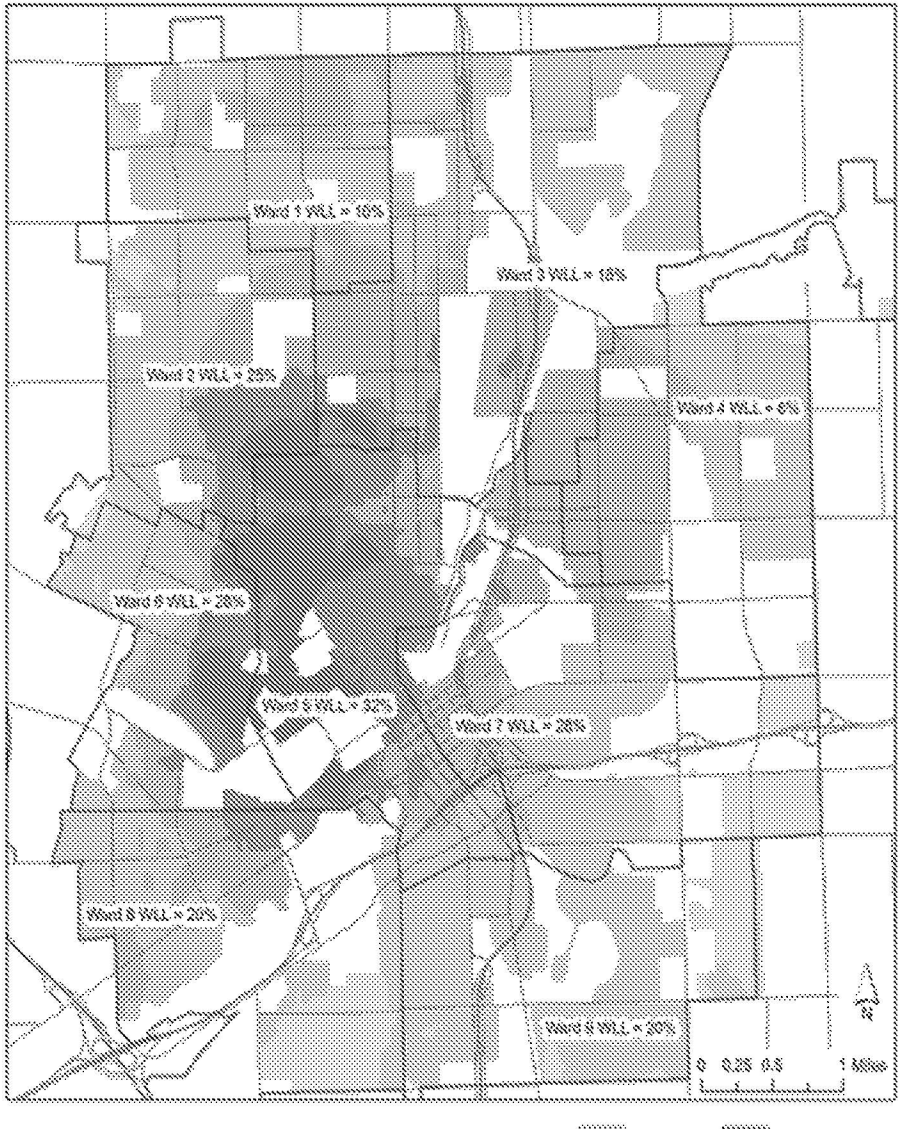
- Focus on high WLL wards (5, 6, 7); ie., those with high water lead levels

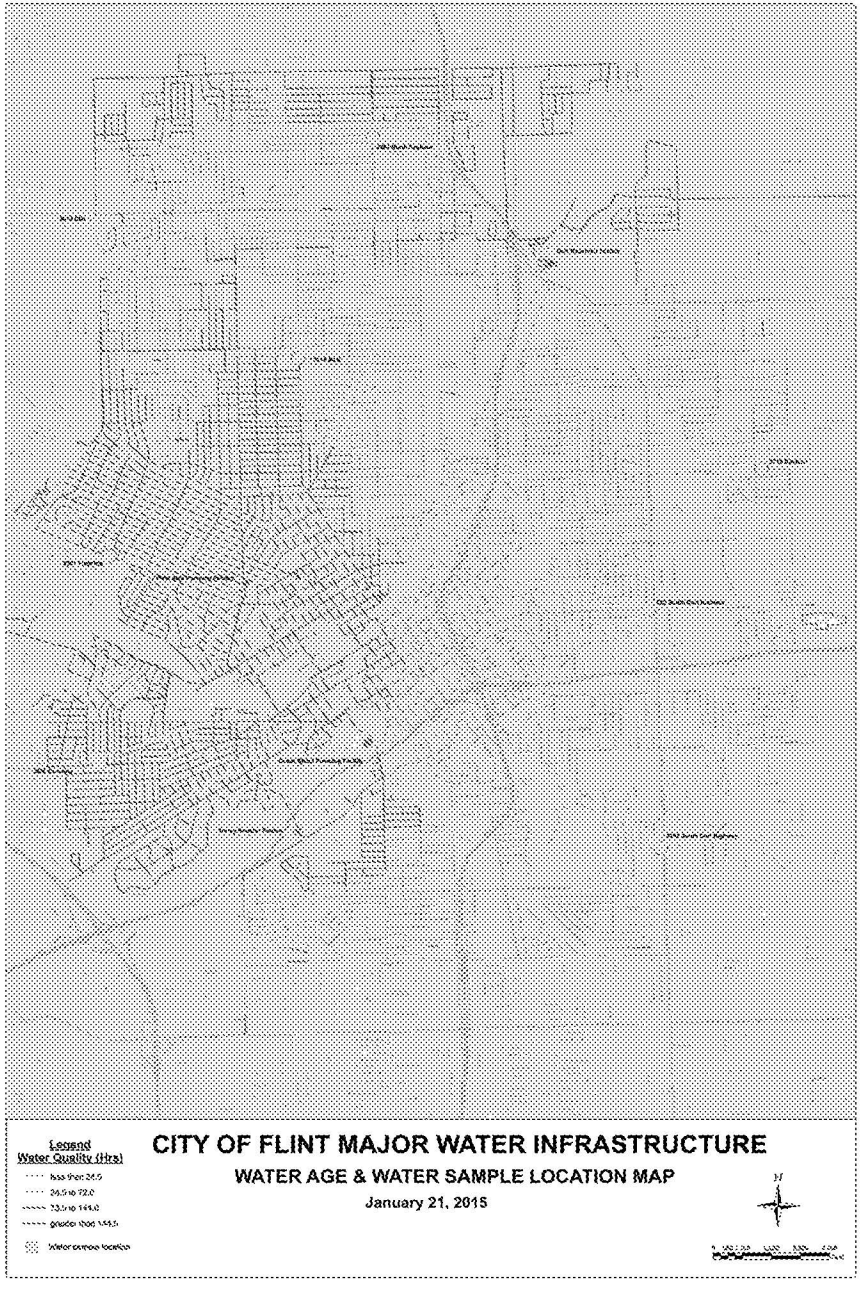
Results:

- PRE-SWITCH % EBLL: **4.0%**
- POST-SWITCH % EBLL: **10.6%**
- **$p < 0.05$; STATISTICALLY SIGNIFICANT CHANGE**

- Note: Hot spots between wards/zips

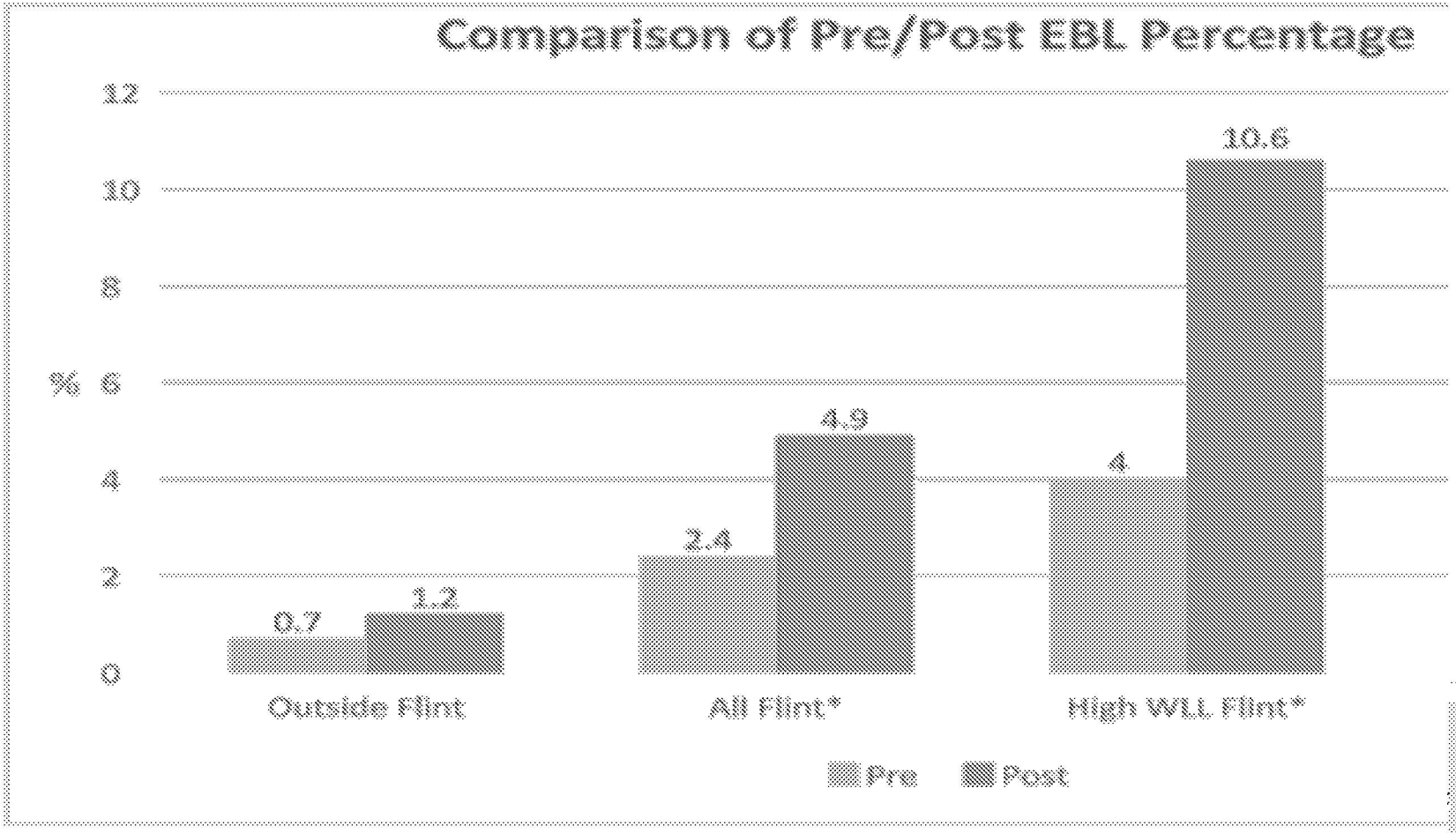
HURLEY MEDICAL CENTER


Ward 1 WLL = 18%
Ward 3 WLL = 18%
Ward 2 WLL = 25%
Ward 4 WLL = 6%
Ward 6 WLL = 28%
Ward 5 WLL = 32%
Ward 7 WLL = 28%
Ward 8 WLL = 20%
Ward 9 WLL = 30%
0 0.25 0.5 1 Miles
Flint City Wards
Major Streets
"Ward Y WLL = XX%" = % of ward where any water sample exceeded 15 ppb
Predicted BLL based on Ordinary Kriging Geostatistical Analysis
0.7 - 0.75
0.76 - 1
1.01 - 1.25
1.26 - 1.5
1.51 - 1.75
1.76 - 2
2.01 - 2.25
2.26 - 2.5
2.51 - 2.75
2.76 - 3.35
*Non-residential zones screened from results


Legend
Water Quality (Hrs)
less than 24.0
24.0 to 72.0
73.0 to 144.0
greater than 144.0
Water service location
CITY OF FLINT MAJOR WATER INFRASTRUCTURE
WATER AGE & WATER SAMPLE LOCATION MAP
January 21, 2015
N

Pre/Post EBL

HURLEY CHILDREN'S HOSPITAL



*p<0.05

Research results

- % of children with EBLL in Flint zips increased
  - Most striking increase in areas with highest water lead levels
- **Results significantly underestimate exposure:**
  - Infants not screened for lead
  - BLL may have peaked before being measured (blood half life 20-30 days)
  - Kids exposed in different settings throughout city
- Widened disparities
- Failure of primary prevention

What happened next?

- Sept 25 City of Flint Lead Health Advisory
- Sept 29 GCHD Health Advisory
- Oct 1 GCHD Public Health Emergency
- Oct 2 State filter program, increased water testing, expedited corrosion control
  - Oct 3 First filter distribution
- Oct 8 Three schools toxic WLL, announced reconnection to DWSD
- Oct 16 Water switched back to DWSD

Epigenetics

HURLEY CHILDREN'S HOSPITAL

Wayne State Researchers Discover Evidence That Lead Exposure in Mothers Can Affect Future Generations

Released: 2-Oct-2015 3:05 PM EDT
Source Newsroom: Wayne State University Division of Research

"A team of researchers at Wayne State University have discovered that mothers with high levels of lead in their blood not only affect the fetal cells of their unborn children, but also their grandchildren. "

HURLEY MEDICAL CENTER

Now

HURLEY CHILDREN'S HOSPITAL

- Preventable population-wide exposure
- Community traumatized
- Loss of trust in government and agencies
  - In 2015, in the middle of the great lakes, no guarantee of safe drinking water
- Ongoing public health emergency

Exposed Population

HURLEY CHILDREN'S HOSPITAL

- Currently identifying/labeling exposed population
- Cohort includes all children less than 6 years who at any time lived in Flint water limits (geocoded) from April 2014 to end date unknown (extend 9 months for fetal exposure).
- Per census data, approx. 8,000-9,000 children

HURLEY CHILDREN'S HOSPITAL

Quick Introduction to ACEs/Toxic Stress…

HURLEY MEDICAL CENTER

Adverse Childhood Experiences (ACEs)

HURLEY CHILDREN'S HOSPITAL

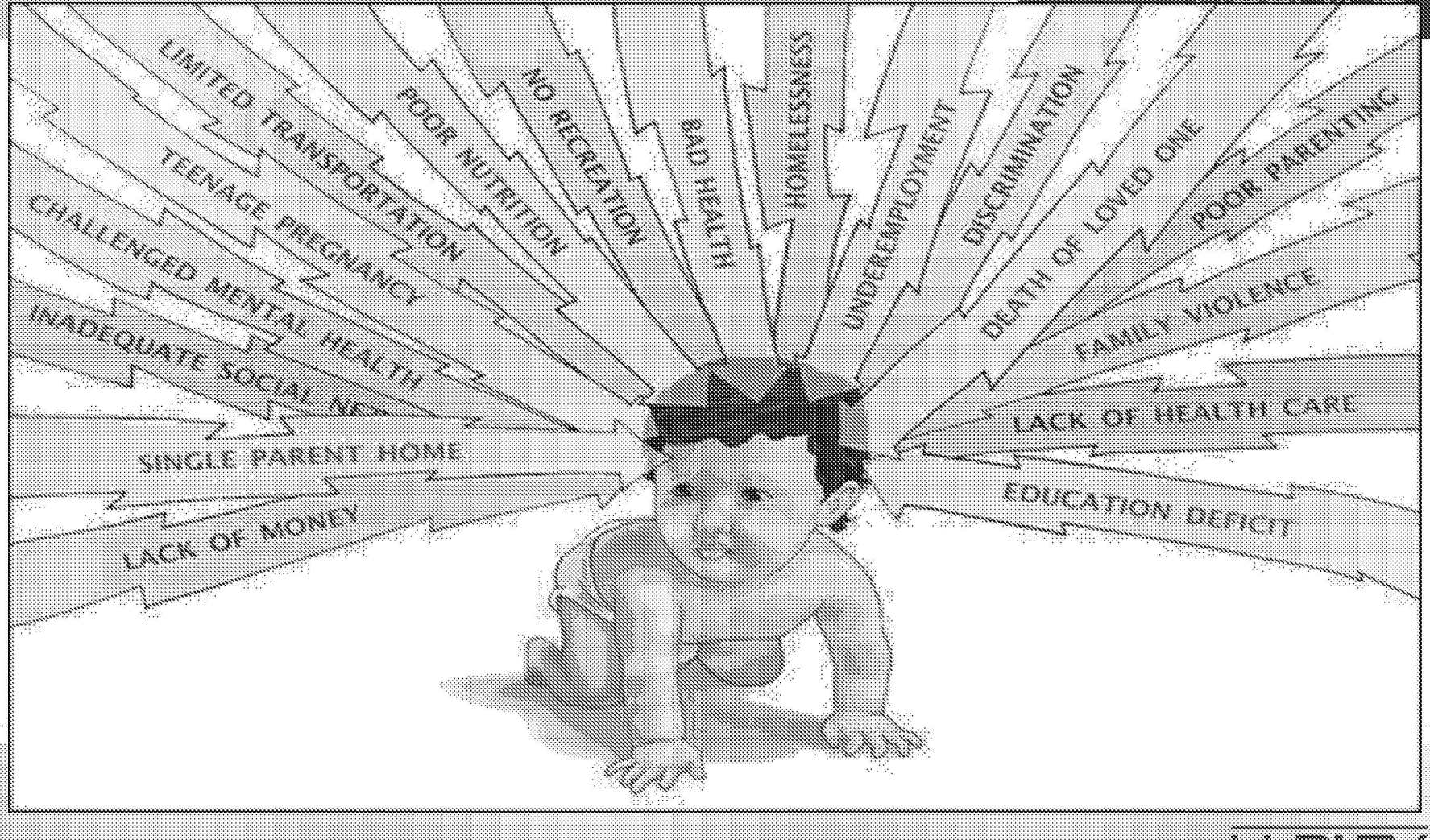
- ACEs are potentially traumatic events that can have negative, lasting effects on health and well-being.
- Also referred to as toxic stress or childhood trauma.
- As number of ACEs increase, the risk for health problems increase in a strong and graded fashion.
- An ACE score of 6 or more results in a 20 year decrease in life expectancy.

- CDC ACE study
  - Kaiser Permanente from 1995 to 1997 with more than 17,000 participants.

HURLEY MEDICAL CENTER

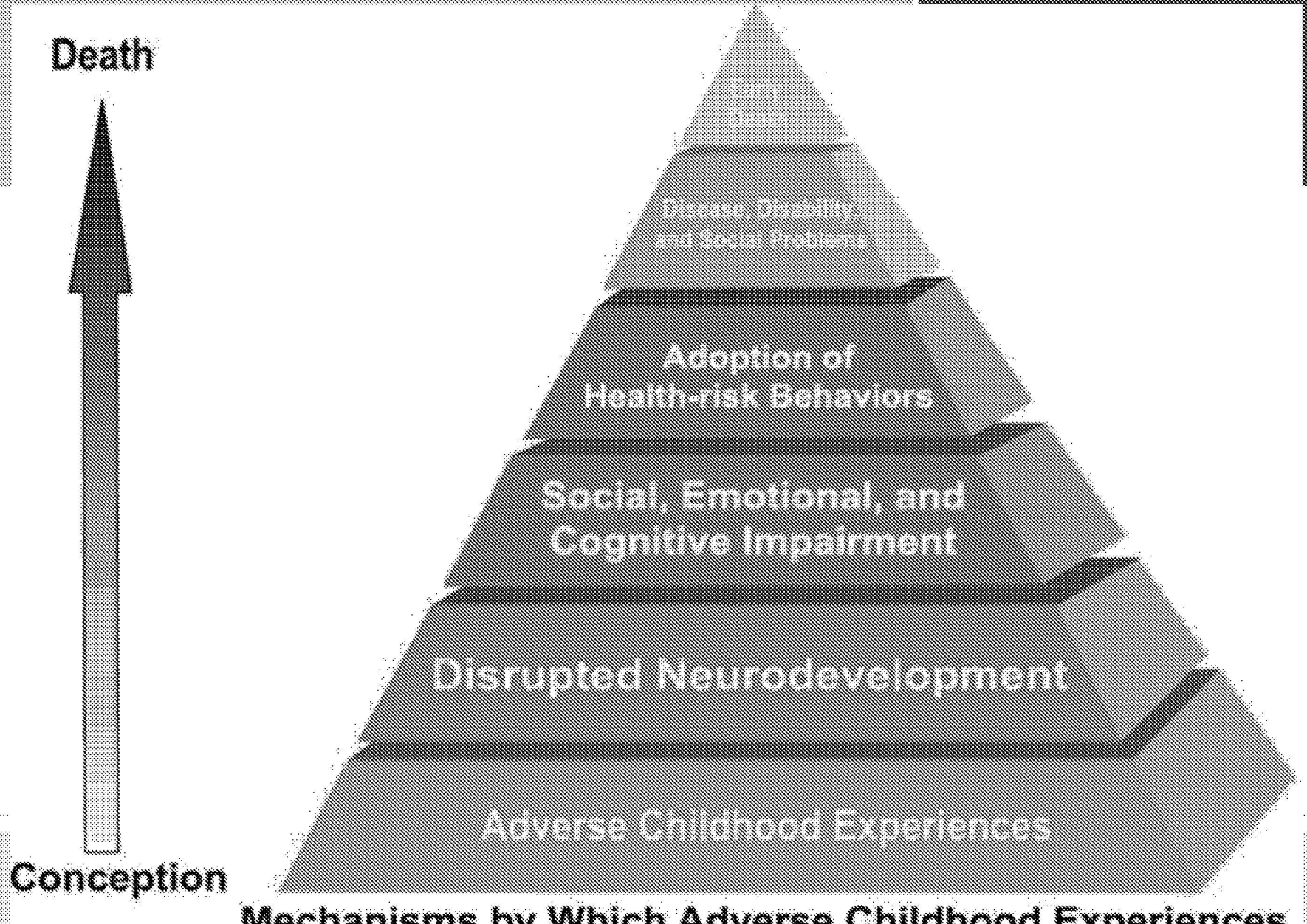
Toxic Stresses

HURLEY CHILDREN'S HOSPITAL



HURLEY MEDICAL CENTER

https://casaofsantacruz.wordpress.com/2014/10/08/continuing-education-webinar-how-toxic-stress-impacts-cas-children-families-communities-2/

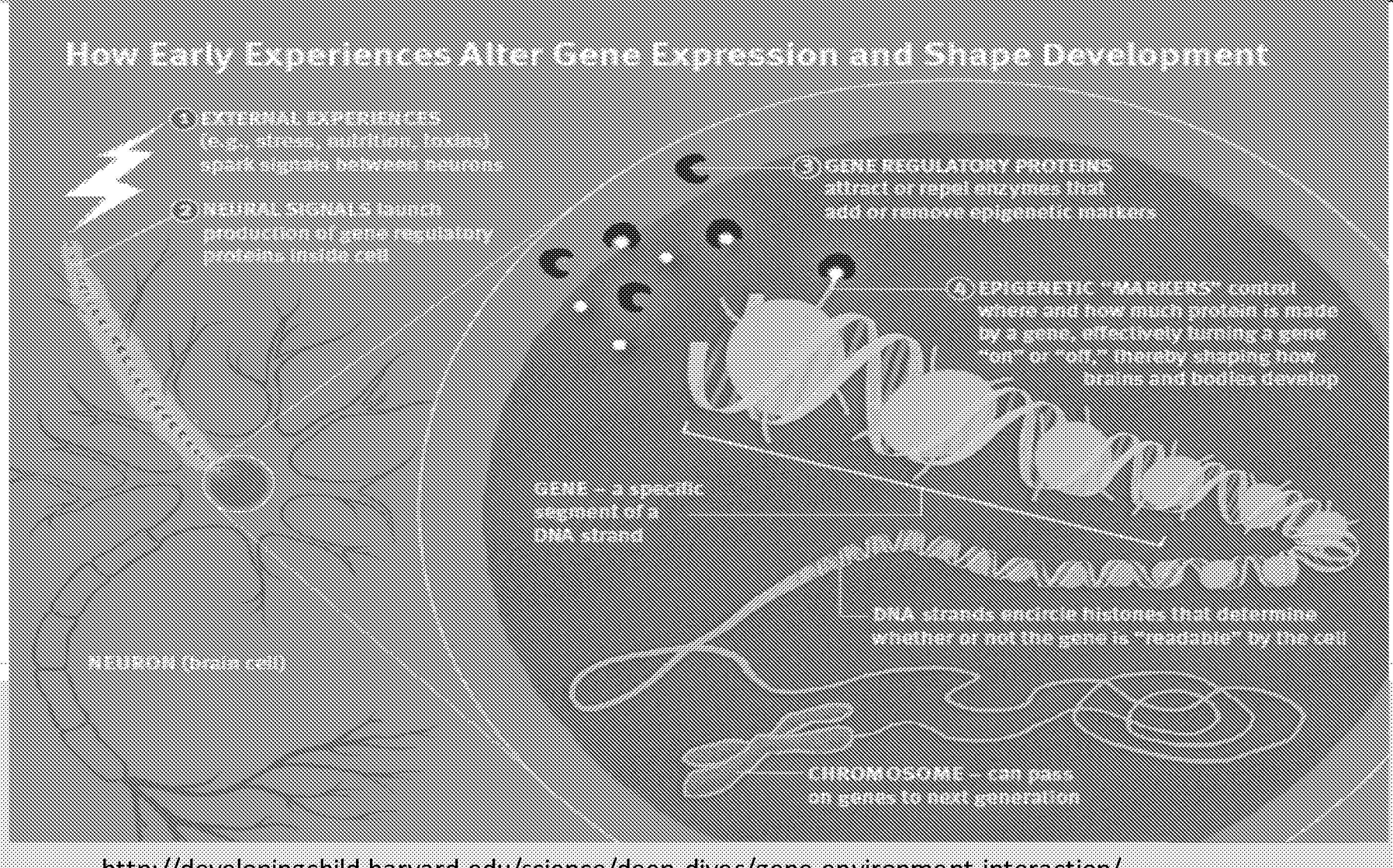


Mechanisms by Which Adverse Childhood Experiences Influence Health and Well-being Throughout the Lifespan

http://www.cdc.gov/violenceprevention/acestudy/

EPIGENETICS

HURLEY CHILDREN'S HOSPITAL



http://developingchild.harvard.edu/science/deep-dives/gene-environment-interaction/

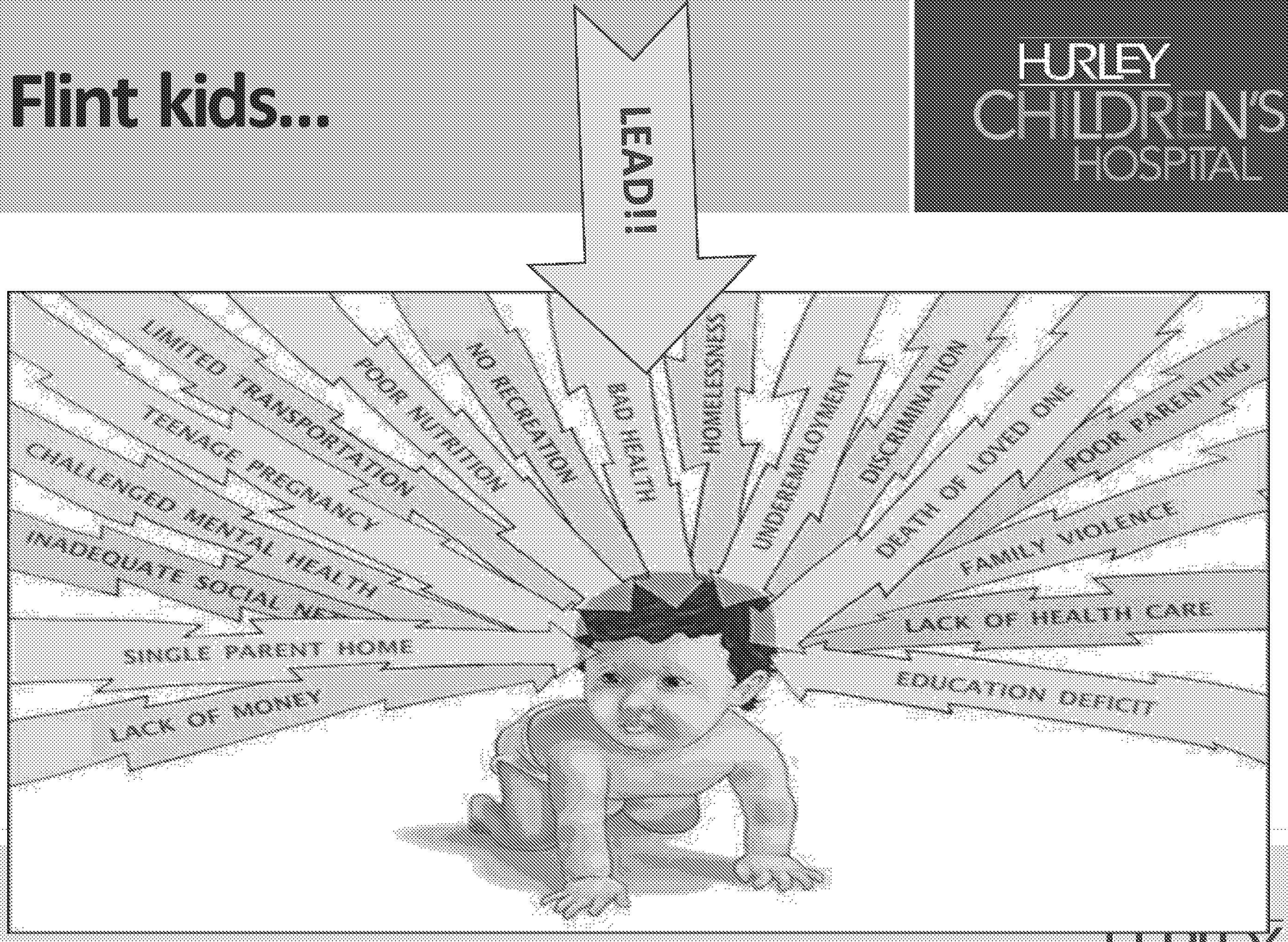
ACE/Toxic Stress

HURLEY CHILDREN'S HOSPITAL

- Many chronic diseases/disparities in adults are determined decades earlier, by experiences in childhood (0-6 critical)
- Lead exposure is an ACE/toxic stress

Flint kids...

HURLEY CHILDREN'S HOSPITAL



HURLEY MEDICAL CENTER

- Now what can we do???

Research/Assessment

HURLEY CHILDREN'S HOSPITAL

- Assess the impact of the exposure
  - Health impact
    - BLL
    - Longitudinal neurodevelopmental f/u
    - Cord blood Pb, brain injury markers, epigenetics
    - Retrospective fetal deaths, IUGR
  - Nutrition impact
  - Psychosocial impact
  - Water quality/infrastructure impact
- Continued monitoring
  - Academic/public health collaborations

HURLEY MEDICAL CENTER

Secondary Prevention

HURLEY CHILDREN'S HOSPITAL

- Unique opportunity to be proactive, to regain public trust, and to **buffer** impact of exposure
  - Short Term
  - Long Term

Short-Term Secondary Prevention

HURLEY CHILDREN'S HOSPITAL

- Consistent, coordinated, multi-method, trusted messaging/education/risk communication/PSAs
  - Need for central command/hub/emergency response

Short-Term Secondary Prevention

- Water still not safe (public health emergency)
  - Corrosion control optimization
  - Ongoing risk from scale disruption
  - Door to door filter/replacement distribution
    - # filters distributed approx 1/3 of homes
  - Public education re water precautions (filters, flushing, cold water, cooking, infants, etc)
  - Lead plumbing

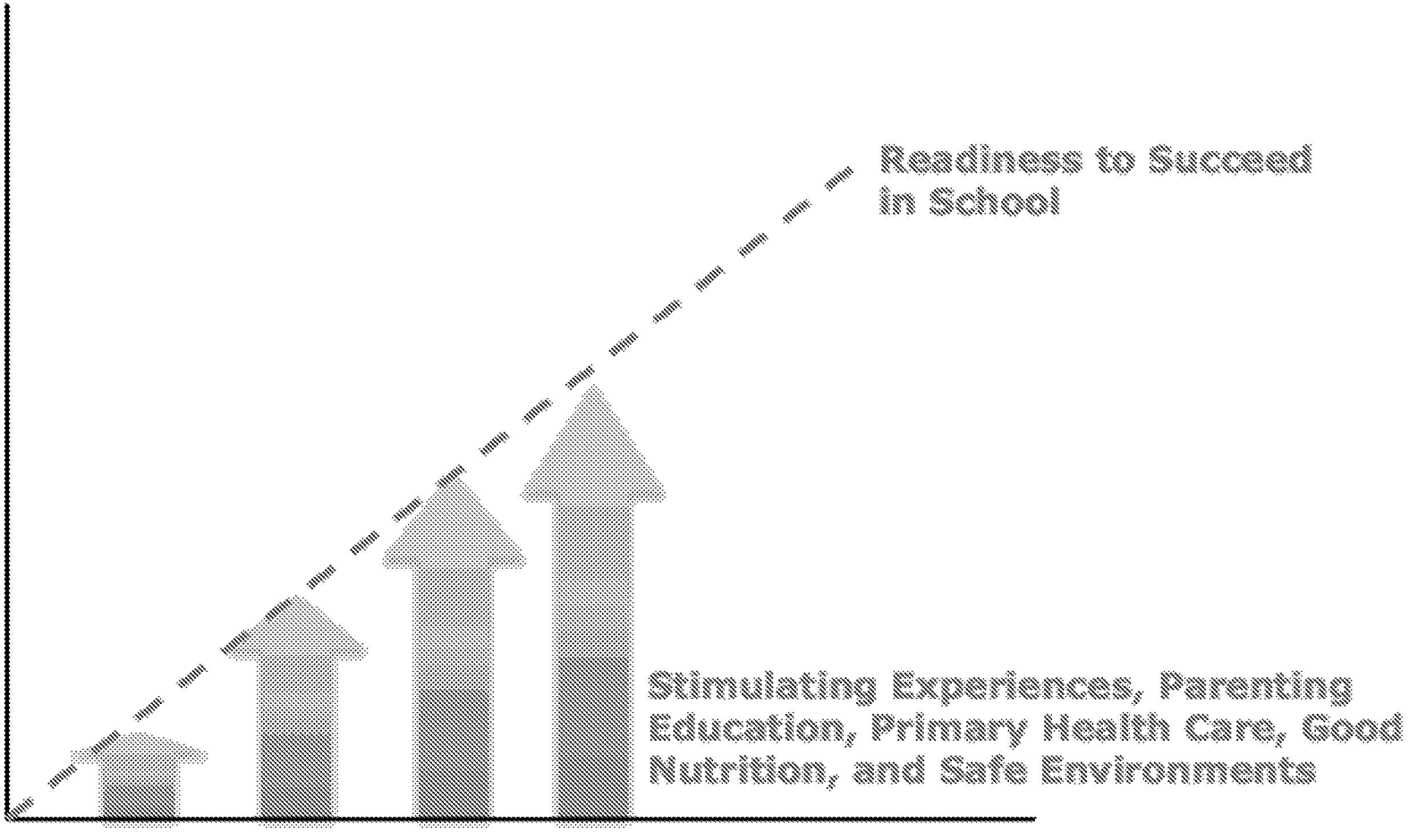
HURLEY CHILDREN'S HOSPITAL

Secondary Prevention Evidence Based Interventions

HURLEY MEDICAL CENTER

We know what works....

HURLEY CHILDREN'S HOSPITAL

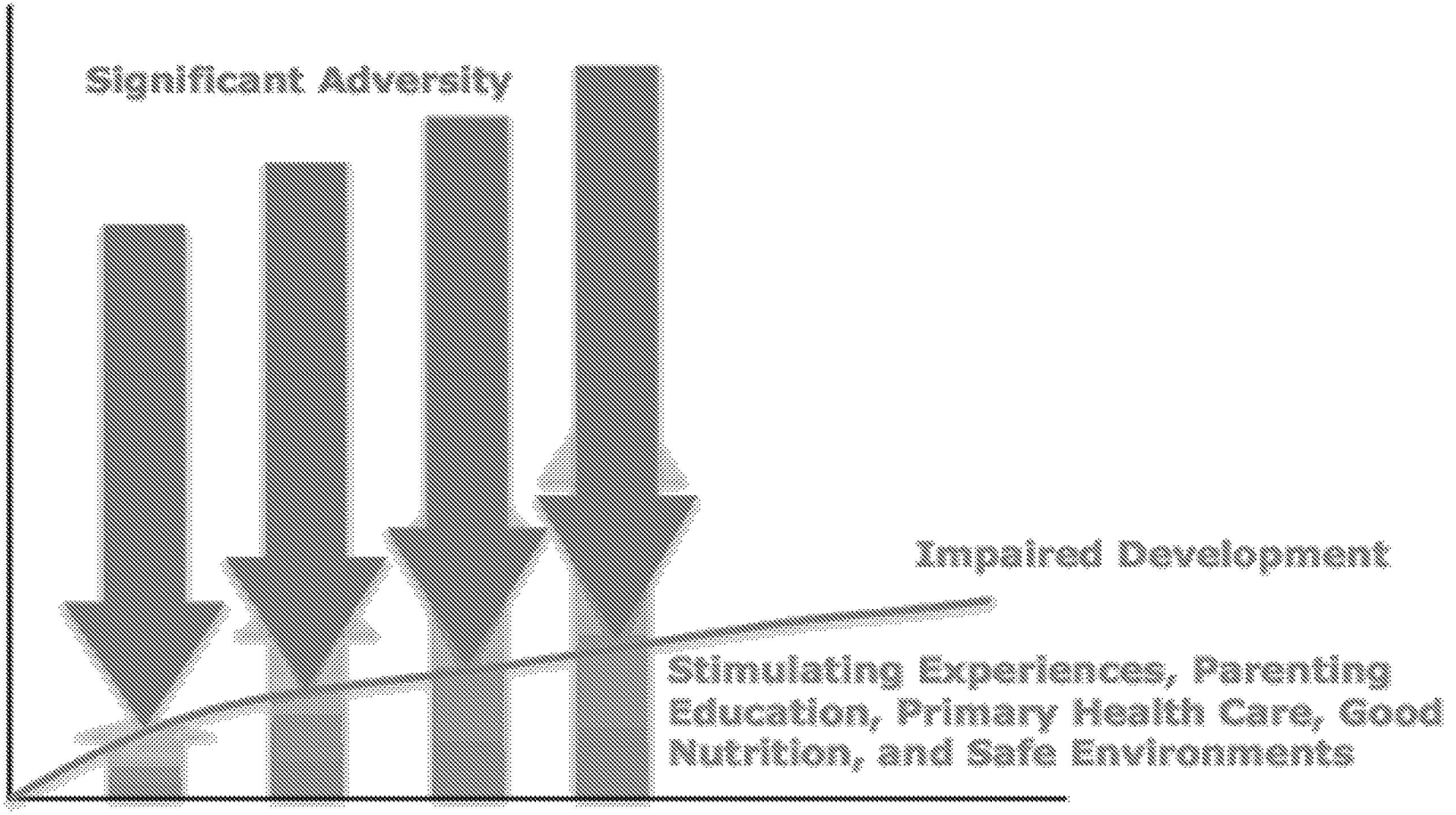


https://www.aap.org/en-us/advocacy-and-policy/federal-advocacy/Documents/Panel%201%20-%20Shonkoff%20Center%20on%20the%20Developing%20Child%20Presentation.pdf

HURLEY MEDICAL CENTER

And we know what hurts...

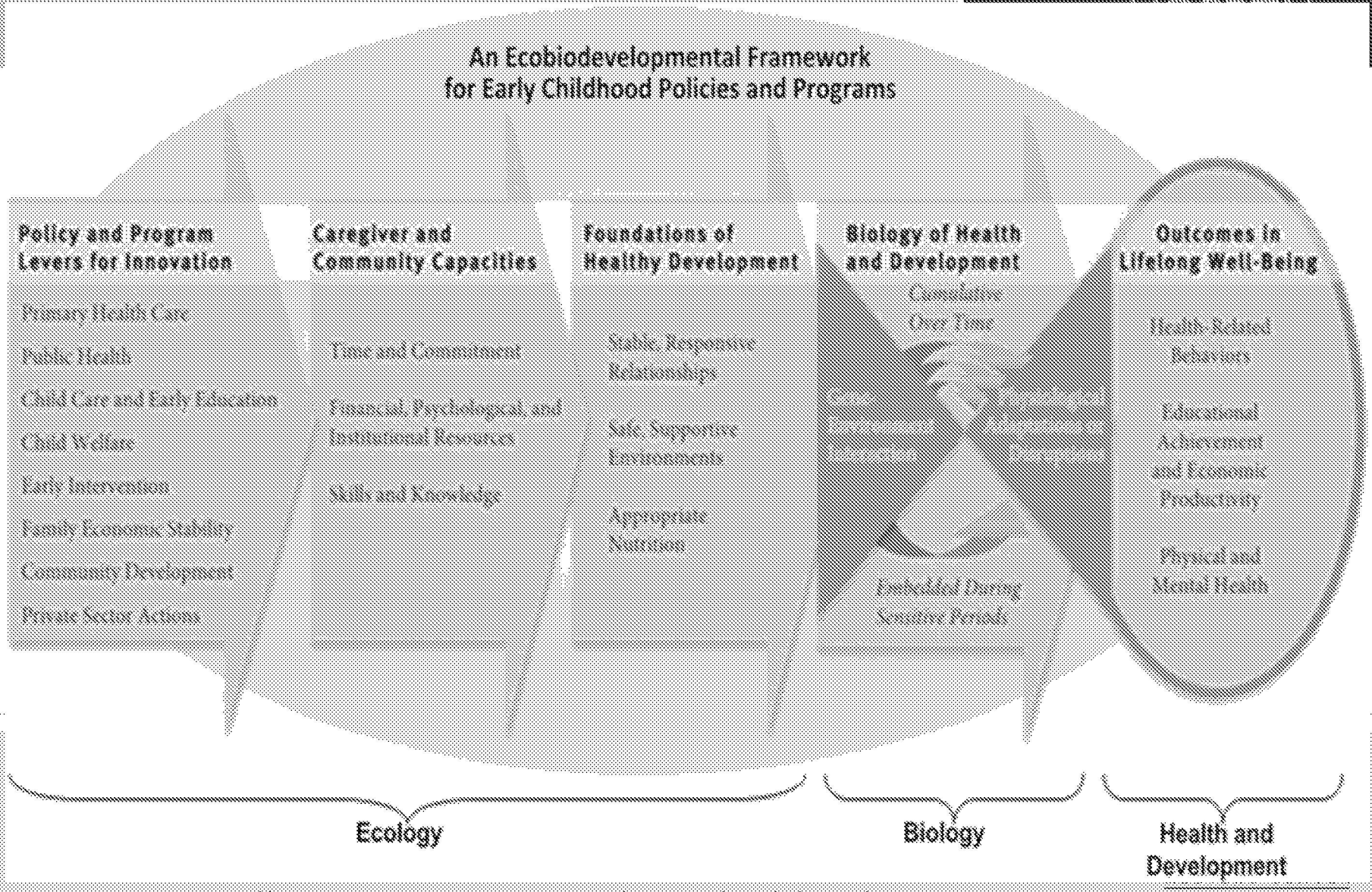
HURLEY CHILDREN'S HOSPITAL



https://www.aap.org/en-us/advocacy-and-policy/federal-advocacy/Documents/Panel%201%20-%20Shonkoff%20Center%20on%20the%20Developing%20Child%20Presentation.pdf

HURLEY MEDICAL CENTER

Evidence Based Interventions



http://pediatrics.aappublications.org/content/129/1/e232/F2.expansion.html

#flintwatercrisis
Secondary Prevention

HURLEY CHILDREN'S HOSPITAL

- Medical/Health
- Nutrition
- Education
- Caregiver capacity
- Water quality

Secondary Prevention
Medical/Health

HURLEY CHILDREN'S HOSPITAL

- Support and education for primary care providers regarding aggressive long-term neurodevelopmental screening & testing
- Improve access to Developmental and Behavioral (DBP) specialists, pediatric psychologists, pediatric psychiatrists
  - Preemptive referral to mental health/toxic stress screening
  - Support capacity building and/or incentivize recruitment to allow Genesee Health System (CMH) to build this capacity which is currently needed and lacking
- Increase recognition and education regarding trauma informed care, social determinants of health (SDOH)
- Consider health fund/enrollment in Children's Special Health Care Services (CSHCS) for exposed kids to cover long-term needs

HURLEY MEDICAL CENTER

Secondary Prevention Medical/Health

- Expand state-funded Genesee Health System (CMH) services
  - Infant Mental Health (30 capacity)
  - Child case management
  - Home-based services
  - Trauma informed care – trauma focused CBT

Secondary Prevention
Medical/Health

HURLEY CHILDREN'S HOSPITAL

- Role of Medicaid HMO plans:
  - Support to drive patients to medical home: enhanced transportation, case management, HEDIS monitoring, pt incentives, mental health access, etc
  - Reimbursement for integrated social work, registered dietician, mental health services, OT/PT services
  - Encourage collaboration/mandate support of Genesee Children's Healthcare Access Program (CHAP)

HURLEY MEDICAL CENTER

Hurley Children's Clinic

Thinking Outside The Box

HURLEY CHILDREN'S HOSPITAL

- Transportation
- Social work
- WIC RD/Nutrition
- Peds Psychology
- Training site

HURLEY MEDICAL CENTER

Secondary Prevention
Nutrition

HURLEY CHILDREN'S HOSPITAL

- Short-term mitigation/protection
  - Promotion/education of Iron, Calcium, Vit C diets
- Promote enrollment and participation in pre-existing nutrition resources (WIC, SNAP, DUFB, MTA)
- Expand WIC eligibility, access (co-locate with PMD), benefits

Secondary Prevention
Nutrition

HURLEY CHILDREN'S HOSPITAL

- Improve food access/security efforts
  - Subsidies, pilots – grocery stores, mobile groceries, urban farming, etc
- Invest in breastfeeding promotion, education, and support services

Secondary Prevention
Education

- Subsidize quality childcare options
- Automatic referral/assessment by Early Intervention (Early On)
- Enroll all in early head start, head start
  - Universal Pre-school/Flint Pre-Promise
- Strengthen special education capacity/trained personnel

Secondary Prevention
Education

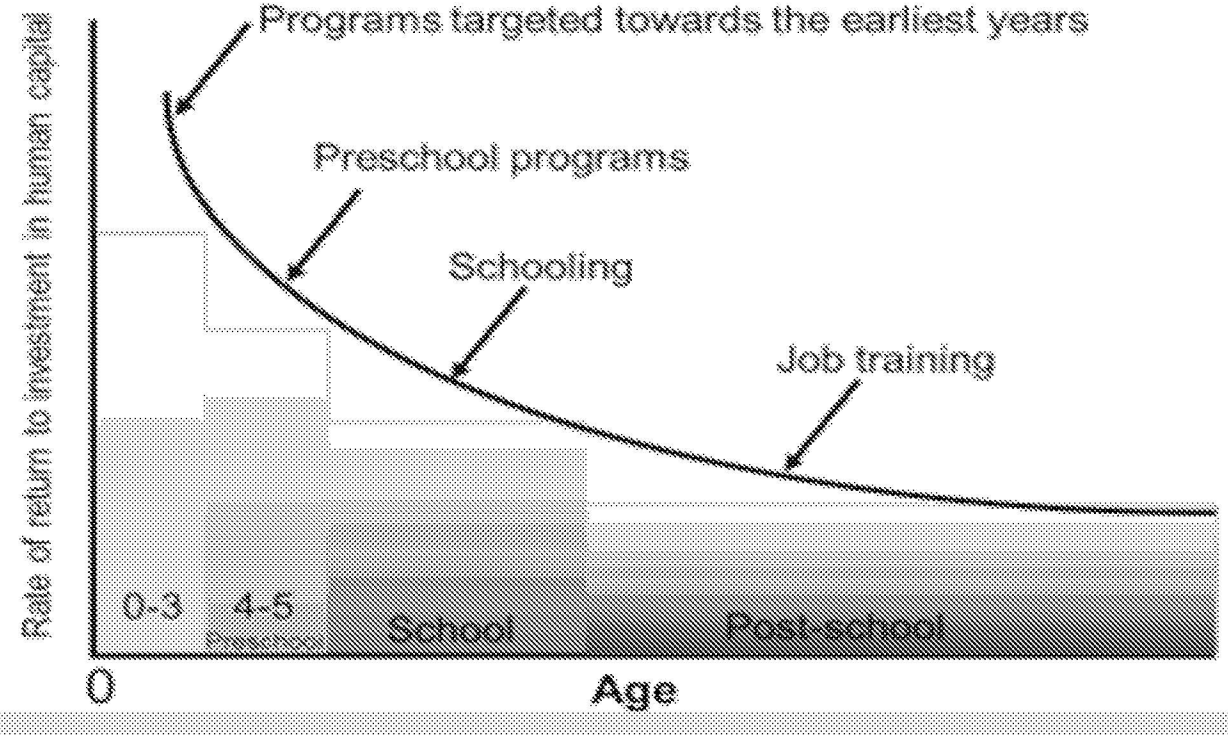
HURLEY CHILDREN'S HOSPITAL

- Invest in school health/wellness/behavioral health
  - School nurse:student ratio – MI ranked worst in country
  - 1:750 recommended
  - 1:6,500 Flint
- Place MDHHS employee at every school
- Model lead safe school campaigns
  - Proactive water testing, lead plumbing investigations
  - Lead mitigating school nutrition

Investing in Children: Younger The Better

HURLEY CHILDREN'S HOSPITAL

Rates of Return to Human Capital Investment at Different Ages: Return to an Extra Dollar at Various Ages



https://www.aap.org/en-us/advocacy-and-policy/federal-advocacy/Documents/Panel%202%20-%20Marks%20RWJF%20Presentation.pdf

HURLEY MEDICAL CENTER

Secondary Prevention
Caregiver capacity

HURLEY CHILDREN'S HOSPITAL

- Toxic stress and resilience
  - "Strong, frequent, and/or prolonged activation of the body's stress-response system in the absence of the **buffering protection of a supportive, adult relationship**."

Shonkoff, J & Garner, A. (2012) The lifelong effects of early childhood adversity and toxic stress. Pediatrics, 129(1). 232-246.

HURLEY MEDICAL CENTER

Secondary Prevention
Caregiver capacity

HURLEY CHILDREN'S HOSPITAL

- Need to support parents and programs to improve parenting skills
- Evidence-based parenting programs
  - Incredible Years (HCH AAP Grant)
  - Triple P
  - Everyday Parenting
  - Adventures in Parenting
  - Home visiting programs
  - Strengthening Families Framework
  - Maternal Infant Health Program (MIHP)
  - Healthy Start
  - Nurse Family Partnership (NFP)

HURLEY MEDICAL CENTER

Nurse Family Partnership

HURLEY CHILDREN'S HOSPITAL

- 56% reduction in emergency room visits for accidents and poisonings in the second year of the child's life
- 50% reduction in behavioral problems when the children enter school.
- 48% reduction in state-verified reports of child abuse and neglect by child age 15
- 39% fewer healthcare encounters for injuries or ingesions in the first two years of life
- Increase in language scores

"Nurse-Family Partnership", Early Childhood, Social Programs That Work, Coalition for Evidence-Based Policy
hVp://evidencebasedprograms.org/wordpress/?page_id=57

HURLEY MEDICAL CENTER

Secondary Prevention
Caregiver capacity

HURLEY CHILDREN'S HOSPITAL

- Increase support for state-funded NFP, Healthy Start and MIHP
  - Hurley-run NFP capacity for 100

HURLEY MEDICAL CENTER

Secondary Prevention
Water Safety/Infrastructure

HURLEY CHILDREN'S HOSPITAL

- Opportunity to model best practices for lead in water monitoring to protect public health rather than a focus on minimum compliance
  - EPA Flint Safe Drinking Water Taskforce
- Flint will change water source and treat water again once connected to KWA (2016), should not be rushed
- Full lead plumbing replacement (can be targeted)

HURLEY MEDICAL CENTER

Next Steps

HURLEY CHILDREN'S HOSPITAL

- Primary prevention failed
  - Preventable population-wide exposure
- Secondary prevention must be priority

- Invest and prioritize in evidence based interventions that mitigate exposure and build childhood resilience
  - Ages 0 to 6 years critical for life course trajectory

HURLEY MEDICAL CENTER

Top Five Interventions

HURLEY CHILDREN'S HOSPITAL

1. Support for emergency response
2. Increase funding/capacity for home visiting maternal-infant support programs
3. Guarantee Flint Pre-Promise (3-5 year quality early education)
4. Fund RN in every Flint school
5. Encourage innovative Medicaid HMO plan and medical home initiatives (ie: CHAP)

HURLEY MEDICAL CENTER

HURLEY CHILDREN'S HOSPITAL

It's easier to build strong children than to repair broken men.

Frederick Douglass, 1855

HURLEY MEDICAL CENTER

Additional Resources

HURLEY CHILDREN'S HOSPITAL

- Harvard Center for Developing Child
  - http://developingchild.harvard.edu/
- AAP Toxic Stress Resources
  - https://www.aap.org/en-us/advocacy-and-policy/aap-health-initiatives/EBCD/Pages/Public-Health-Approach.aspx
- Strengthening Families: A Protective Factors Framework
  - http://www.cssp.org/reform/strengtheningfamilies
- CDC ACE Study
  - http://www.cdc.gov/violenceprevention/acestudy/
- *Pediatrics* articles
  - AAP Policy Statement: Early Childhood Adversity, Toxic Stress, and the Role of the Pediatrician: Translating Developmental Science Into Lifelong Health
  - AAP Technical Report: The Lifelong Effects of Early Childhood Adversity and Toxic Stress

HURLEY MEDICAL CENTER

Thank you!

From: Lyon, Nick (DHHS)
Sent: Tuesday, December 15, 2015 6:26 AM
To: Mona Hanna-Attisha
Cc: Baird, Richard (GOV); Laurence Reynolds; Matthew M. Davis; Chris Kolb; Ken Sikkema; Chris De Witt; Eric Rothstein; Hollins, Harvey (GOV)
Subject: Re: Meeting with Dr. Mona Hanna-Attisha and Flint Water

Thank you for the presentation and your approach to this. When you can please share a version of the presentation I can pass in to Sue, Eden and the others in my Population Health area.

Nick

> On Dec 14, 2015, at 7:05 PM, Mona Hanna-Attisha <[redacted]> wrote:
>
>
> Mr. Baird and all the other guys,
>
> It was a pleasure meeting everyone and a privilege to present to you all. As I said, we have an incredible and unique opportunity to mitigate the impact of this population-wide exposure. If we act now, proactively, we can buffer our kids from the life-altering impacts of lead poisoning.
>
> Flint has many claims to fame (we put the world on wheels, we birthed Mr. Baird!, etc); and now, with your leadership, we can continue to build generations of strong, smart, and healthy children.
>
> If I can be of any further assistance, please don't hesitate to contact me. Email or cel [redacted].
>
> Thanks again, Mona
>
> Mona Hanna-Attisha MD MPH FAAP
> Program Director Pediatric Residency
> Hurley Children's Hospital at Hurley Medical Center Michigan State
> University College of Human Medicine Department of Pediatrics and
> Human Development[redacted]
> _____
> From: Baird, Richard (GOV) [bairdr@michigan.gov]
> Sent: Thursday, December 10, 2015 2:27 PM
> Required: Baird, Richard (GOV); Laurence Reynolds; Matthew M. Davis;
> Chris Kolb; Ken Sikkema; Chris De Witt; 'Eric Rothstein'; Lyon, Nick
> (DHHS); Grijalva, Nancy (DHHS); Mona Hanna-Attisha
> Subject: Meeting with Dr. Mona Hanna-Attisha and Flint Water
> When: Monday, December 14, 2015 11:00 AM-12:00 PM.
> Where: Governor's Conference Room, 2nd Floor Romney Building, 111 S.
> Capitol Ave., Lansing, MI 48933
>
> Good Morning,
>

> This is to confirm the meeting with Rich Baird on Monday, December 14 at 11:00 a.m. in the Governor's Conference room, second floor Romney Building, 111 S. Capitol Ave. Lansing, MI 48933.
>
> We are located at the George W. Romney Building, 111 S. Capitol
> Avenue, Lansing. The Romney Building is located directly across the
> street (Capitol Avenue) from the Capitol Building. There is some
> metered parking around the building. The closest parking facility is
> one block south at the corner of Capitol Avenue and Allegan Street
> (enter the parking facility from Capitol Avenue).
> https://www.parkme.com/lot/93032/tower-parking-ramp-lansing-mi
>
> You will also want to have a picture I.D. handy for security in the Romney Building. Please let security know who you have a meeting with, they will call me and then send you up to the second floor.
>
> Please let me know if you have any questions.
>
> Thank you!
>
> Virginia Manolakoudis
> Executive Assistant for Richard Baird
> Executive Office of Governor Rick Snyder
> (517) 241-5621
> ManolakoudisV@michigan.gov<mailto:ManolakoudisV@michigan.gov>
>
>
>
>
>
>
>
> <#flintwatercrisis Secondary Prevention Recommendations 121415.pdf>

From: Mona Hanna-Attisha <[redacted]
Sent: Tuesday, December 15, 2015 7:40 AM
To: Lyon, Nick (DHHS)
Cc: Baird, Richard (GOV); Laurence Reynolds; Matthew M. Davis; Chris Kolb; Ken Sikkema; Chris De Witt; Eric Rothstein; Hollins, Harvey (GOV)
Subject: RE: Meeting with Dr. Mona Hanna-Attisha and Flint Water
Attachments: #flintwatercrisis Secondary Prevention Recommendations 121415.pdf

attached

-----Original Message-----
From: Lyon, Nick (DHHS) [mailto:LyonN2@michigan.gov]
Sent: Tuesday, December 15, 2015 6:26 AM
To: Mona Hanna-Attisha
Cc: Baird, Richard (GOV); Laurence Reynolds; Matthew M. Davis; Chris Kolb; Ken Sikkema; Chris De Witt; Eric Rothstein; Hollins, Harvey (GOV)
Subject: Re: Meeting with Dr. Mona Hanna-Attisha and Flint Water

Thank you for the presentation and your approach to this. When you can please share a version of the presentation I can pass in to Sue, Eden and the others in my Population Health area.

Nick

> On Dec 14, 2015, at 7:05 PM, Mona Hanna-Attisha <[redacted]> wrote:
>
>
> Mr. Baird and all the other guys,
>
> It was a pleasure meeting everyone and a privilege to present to you all. As I said, we have an incredible and unique opportunity to mitigate the impact of this population-wide exposure. If we act now, proactively, we can buffer our kids from the life-altering impacts of lead poisoning.
>
> Flint has many claims to fame (we put the world on wheels, we birthed Mr. Baird!, etc); and now, with your leadership, we can continue to build generations of strong, smart, and healthy children.
>
> If I can be of any further assistance, please don't hesitate to contact me. Email or cell[redacted]
>
> Thanks again, Mona
>
> Mona Hanna-Attisha MD MPH FAAP
> Program Director Pediatric Residency
> Hurley Children's Hospital at Hurley Medical Center Michigan State
> University College of Human Medicine Department of Pediatrics and
> Human Development[redacted]
> _____
> From: Baird, Richard (GOV) [bairdr@michigan.gov]

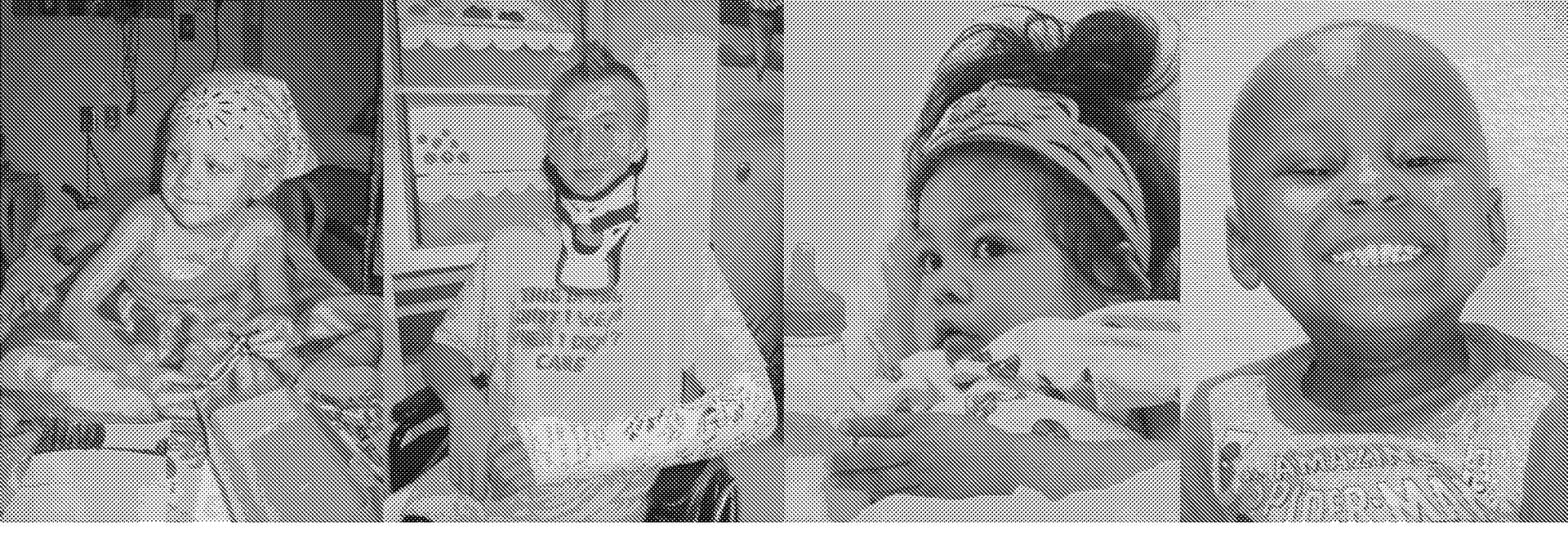
> Sent: Thursday, December 10, 2015 2:27 PM
> Required: Baird, Richard (GOV); Laurence Reynolds; Matthew M. Davis;
> Chris Kolb; Ken Sikkema; Chris De Witt; 'Eric Rothstein'; Lyon, Nick
> (DHHS); Grijalva, Nancy (DHHS); Mona Hanna-Attisha
> Subject: Meeting with Dr. Mona Hanna-Attisha and Flint Water
> When: Monday, December 14, 2015 11:00 AM-12:00 PM.
> Where: Governor's Conference Room, 2nd Floor Romney Building, 111 S.
> Capitol Ave., Lansing, MI 48933
>
> Good Morning,
>
> This is to confirm the meeting with Rich Baird on Monday, December 14 at 11:00 a.m. in the Governor's Conference room, second floor Romney Building, 111 S. Capitol Ave. Lansing, MI 48933.
>
> We are located at the George W. Romney Building, 111 S. Capitol
> Avenue, Lansing. The Romney Building is located directly across the
> street (Capitol Avenue) from the Capitol Building. There is some
> metered parking around the building. The closest parking facility is
> one block south at the corner of Capitol Avenue and Allegan Street
> (enter the parking facility from Capitol Avenue).
> https://www.parkme.com/lot/93032/tower-parking-ramp-lansing-mi
>
> You will also want to have a picture I.D. handy for security in the Romney Building. Please let security know who you have a meeting with, they will call me and then send you up to the second floor.
>
> Please let me know if you have any questions.
>
> Thank you!
>
> Virginia Manolakoudis
> Executive Assistant for Richard Baird
> Executive Office of Governor Rick Snyder
> (517) 241-5621
> ManolakoudisV@michigan.gov<mailto:ManolakoudisV@michigan.gov>
>
>
>
>
>
>
>
> <#flintwatercrisis Secondary Prevention Recommendations 121415.pdf>

#flintwatercrisis

HURLEY CHILDREN'S HOSPITAL

Background & Secondary Prevention

Mona Hanna-Attisha MD MPH FAAP
Hurley Children's Hospital
Michigan State University College of Human Medicine



Agenda

- Flint Water Timeline
- Lead Facts
- Hurley Research Findings
- Introduction to Toxic Stress
- Next steps – Secondary Prevention

Flint Drinking Water Crisis

HURLEY CHILDREN'S HOSPITAL

- Financial Emergency Managers
- Water switch to Flint River (April 2014)
- Fecal coliform and boil advisories *3 (Sept 2014)
- GM stopped using Flint water – corroding parts (Oct 2014)
- Disinfectant byproducts TTHM (Jan 2015-Sept 2015)

Flint Drinking Water Crisis

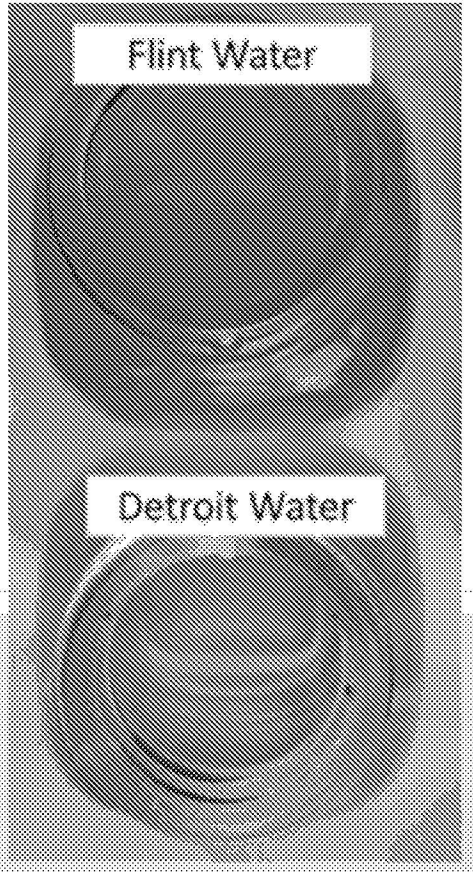
HURLEY CHILDREN'S HOSPITAL

- Perfect storm for lead leaching
  - Flint water more corrosive
  - Lack of corrosion control
  - Aging infrastructure (lead plumbing)
  - Decreased water use - population loss, high water rates

Flint Drinking Water Crisis

HURLEY CHILDREN'S HOSPITAL

- High lead levels detected, EPA contacted (February 2015)
- Leaked EPA memo (June 2015)
  - LeeAnn Walters WLL 13,200 ppb (toxic waste)
- Dr Marc Edwards, Virginia Tech Research (Aug 2015)
  - Flintwaterstudy.org
  - Corrosion & water lead
- Hurley Research (Sept 2015)



https://www.wsws.org/en/articles/2015/09/26/flin-s26.html

Why do we care about lead?

HURLEY CHILDREN'S HOSPITAL

- Lead is a potent neurotoxin with lifelong, multigenerational impacts
- Blood lead levels (BLL) 5 ug/dL or more considered elevated blood lead levels (EBLL)
- Just a few years ago (2012), 10 ug/dL was cutoff
- NO safe blood lead level
- Disproportionately impacts low income and minority children

- Primary prevention is most important

HURLEY MEDICAL CENTER

Primary Prevention

HURLEY CHILDREN'S HOSPITAL

- "Because no measurable level of blood lead is known to be without deleterious effects, and because once engendered, the effects appear to be irreversible in the absence of any other interventions, public health, environmental and housing policies should encourage PREVENTION of all exposure to lead."

"Low Level Lead Exposure Harms Children: A Renewed Call for Primary Prevention." 2012 CDC Advisory Committee on Childhood Lead Poisoning Prevention.

HURLEY MEDICAL CENTER

Impact on cognition

HURLEY CHILDREN'S HOSPITAL

- Vast evidence supports increased likelihood of:
  - Decrease in IQ
    - An increase in BLL from 1 to 4 ug/dL, drops mean IQ -3.7 points
  - Small change in mean IQ, shifts entire population IQ distribution
    - Reduces high achievers IQs (>130) and increases kids with low IQs (<70)
    - Implications for early intervention, special education services, employment, incarceration, life achievement, etc

Lanphear BP et al., Low-level environmental lead exposure and children's intellectual function: an international pooled analysis. Environ Health Perspect, 2005. 113:894-9.
Fewtrell LJ, Pruss-Ustun A, Landrigan P, and Ayuso-Mateos JL, Estimating the global burden of disease of mild mental retardation and cardiovascular diseases from environmental lead exposure. Environmental Research, 2004. 94:120-33.

HURLEY MEDICAL CENTER

Impact on behavior

HURLEY CHILDREN'S HOSPITAL

- Increased likelihood of :
  - ADHD behaviors
  - Delinquent behaviors and arrests
  - Total arrests and increased rates of arrests involving violent offenses
  - Other health effects: hematologic, cardiovascular, immunologic, endocrine, etc

Wright, JP, KN Dietrich, MD Ris, et al. 2008. Association of prenatal and childhood blood lead concentrations with criminal arrests in early adulthood. *PLoS Med* 5(5): e101
Chen, A, B Cai, KN Dietrich, et al. 2007. Lead exposure, IQ, and behavior in urban 5-7 year-olds: Does lead affect behavior only by lowering IQ? *Pediatrics* 119(3): e650-e658.
Needleman, HL, C McFarland, RB Ness, et al. 2002. Bone lead levels in adjudicated delinquents: A case control study. *Neurotoxicology and Teratology* 24(6):711-717.

HURLEY MEDICAL CENTER

Cost

HURLEY CHILDREN'S HOSPITAL

- "For childhood lead poisoning, $5.9 billion in medical care costs, as well as an additional **$50.9 billion** (sensitivity analysis: $44.8–$60.6 billion) per year in lost economic productivity resulting from reduced cognitive potential from preventable childhood lead exposure."

- "The present value of Michigan's economic losses attributable to lead exposure in the 2009 cohort of 5 year-olds ranges from $3.19 (using U.S. blood lead levels) to **$4.85 billion** (using Michigan blood lead levels) per year in loss of future lifetime earnings."

Leonardo Trasande and Yinghua Liu. Reducing The Staggering Costs Of Environmental Disease In Children, Estimated At $76.6 Billion In 2008. *Health Affairs*, 30, no.5 (2011):863-870

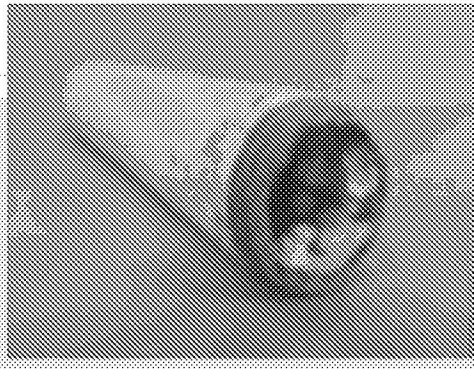
The Price of Pollution: Cost Estimates of Environment-Related Childhood Diseases in Michigan. 2010 Report by Michigan Network of Children's Environmental Health

HURLEY MEDICAL CENTER

Lead in Water

HURLEY CHILDREN'S HOSPITAL

- Not what medicine/public health used to
  - Lead paint obsessed
  - "drinking through a lead painted straw"
- Soluble metal – ingestion via particulate or dissolved in water
- Drinking and cooking risks



Lead in water

HURLEY CHILDREN'S HOSPITAL

- Disproportionally impacts developmentally-vulnerable formula-fed infants
  - For about 25% of infants drinking formula made from tap water at 10 ppb, blood lead would rise >= 5 ug/dL
- Significant risk to unborn babies
  - Increase in fetal deaths and reduced birth weights

Triantafyllidou, S., Gallagher. D. and Edwards, M. Assessing risk with increasingly stringent public health goals: the case of water lead and blood lead in children. Journal of Water and Health. doi: 10.2166/wh.2013.067 58-68 (2014).
Edwards, M. Fetal Death and Reduced Birth Rates Associated with Exposure to Lead-Contaminated Drinking Water. Env. Sci. and Tech. 2013 DOI: 10.1021/es4034952

HURLEY MEDICAL CENTER

HURLEY CHILDREN'S HOSPITAL

Hurley Children's RESEARCH FINDINGS

Sept 24

Medical Community Press Conference

HURLEY MEDICAL CENTER

Methods

- HMC IRB approved
- Data from all blood lead levels processed at Hurley Medical Center
- ZIP code based
- Two periods of comparison (same seasons):
  - PRE-SWITCH: January 1, 2013 – September 15, 2013
    - WATER SWITCH APRIL 26, 2014
  - POST-SWITCH: January 1, 2015 – September 15, 2015
- Analyzed % Elevated Blood Lead (EBLL)
  - EBLL = Blood lead Levels >= 5 ug/dL

Initial Research Results

- Zip code based (in media)

	ALL FLINT ZIPS (n=1746)	HIGH-WLL FLINT ZIPs (48503-48504) (n=742)	NON-FLINT ZIPS (n=1670)
PRE-SWITCH	2.1%	2.5%	0.6%
POST-SWITCH	4.0%	6.3%	1.0%

GEOcoded Analysis

HURLEY CHILDREN'S HOSPITAL

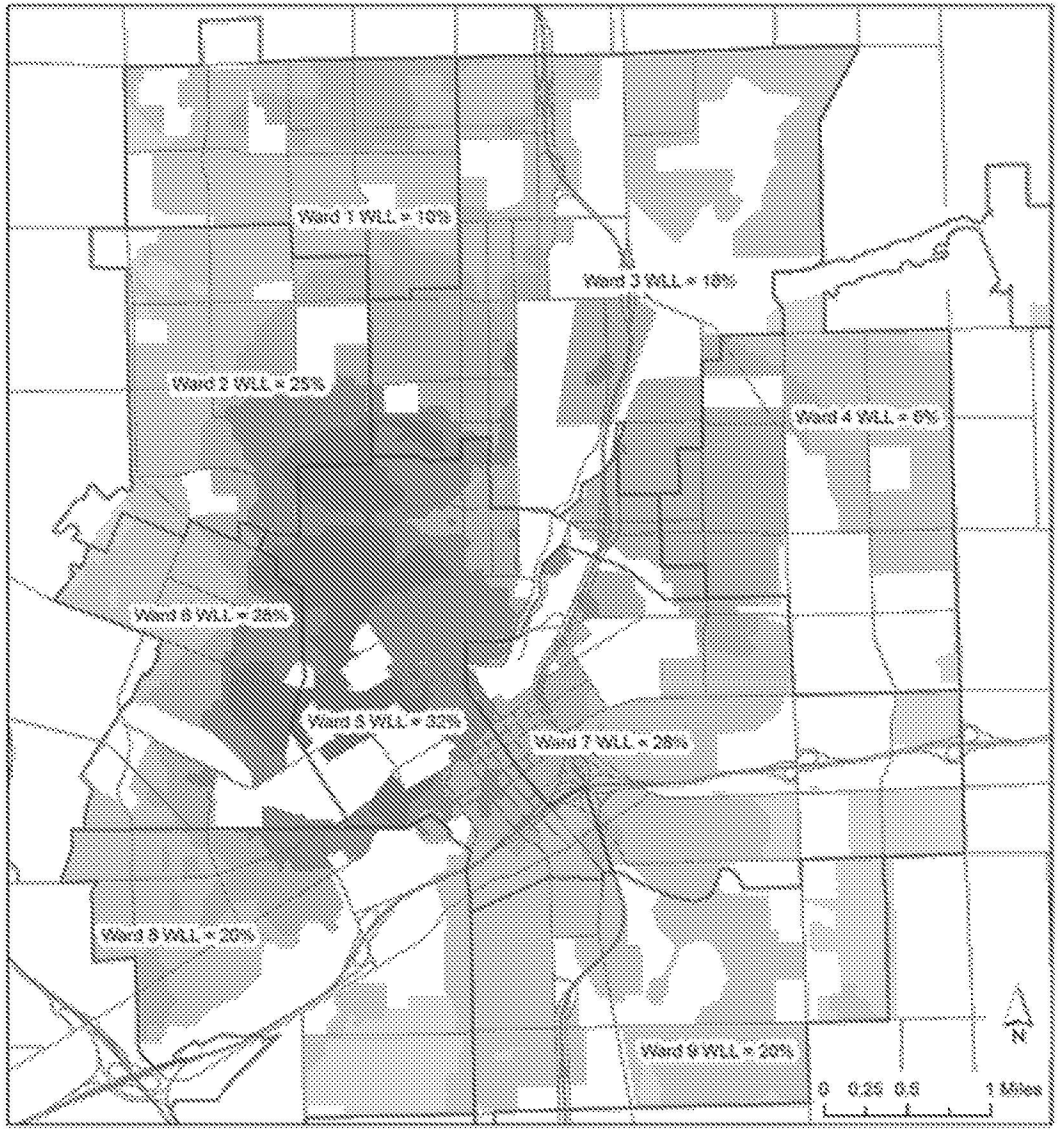
- N= 1473 for Flint water children (pre n=736, post n=737)
- N= 2202 for non-Flint water children (pre n=1210, post n=992)

Flint results for children 5 years and under:

- PRE-SWITCH % EBLL: **2.4%**
- POST-SWITCH % EBLL: **4.9%**
- **$p < 0.05$; STATISTICALLY SIGNIFICANT CHANGE**

HURLEY MEDICAL CENTER

HURLEY CHILDREN'S HOSPITAL



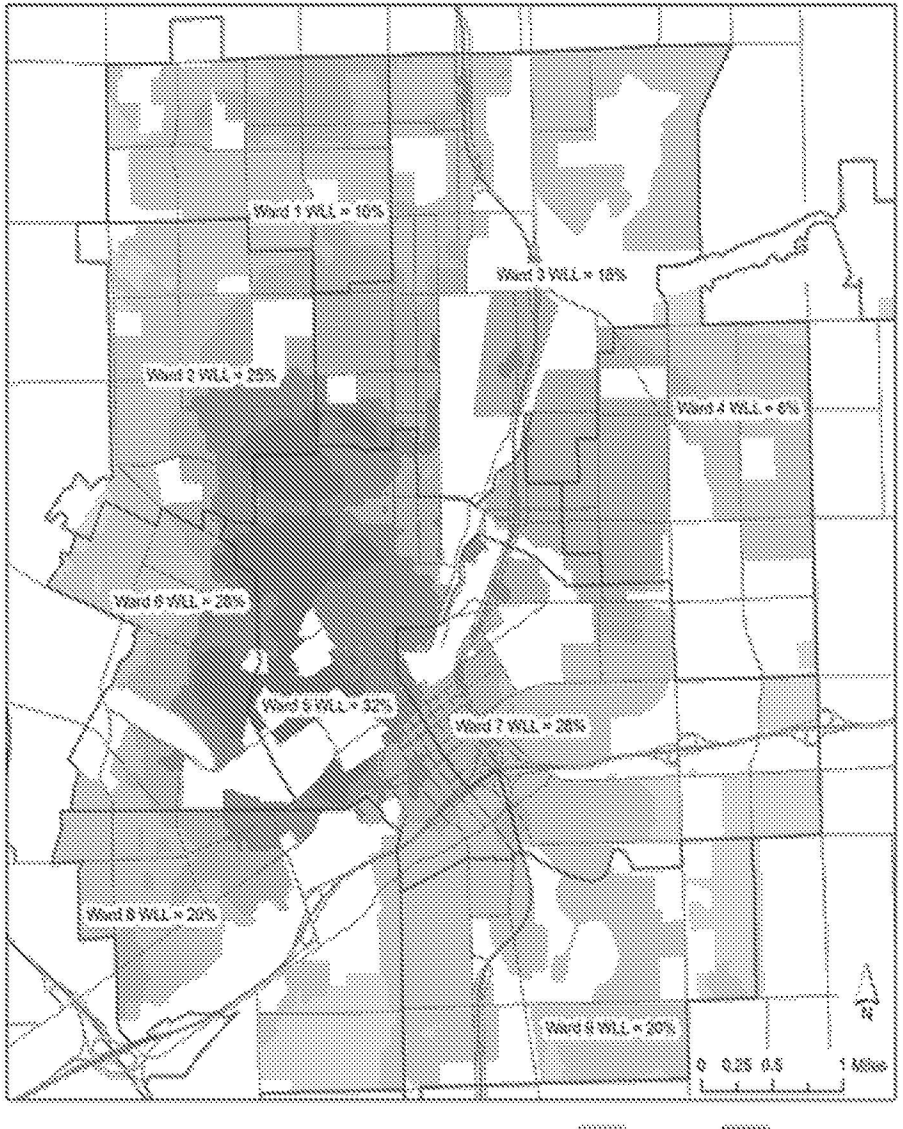
- Focus on high WLL wards (5, 6, 7); ie., those with high water lead levels

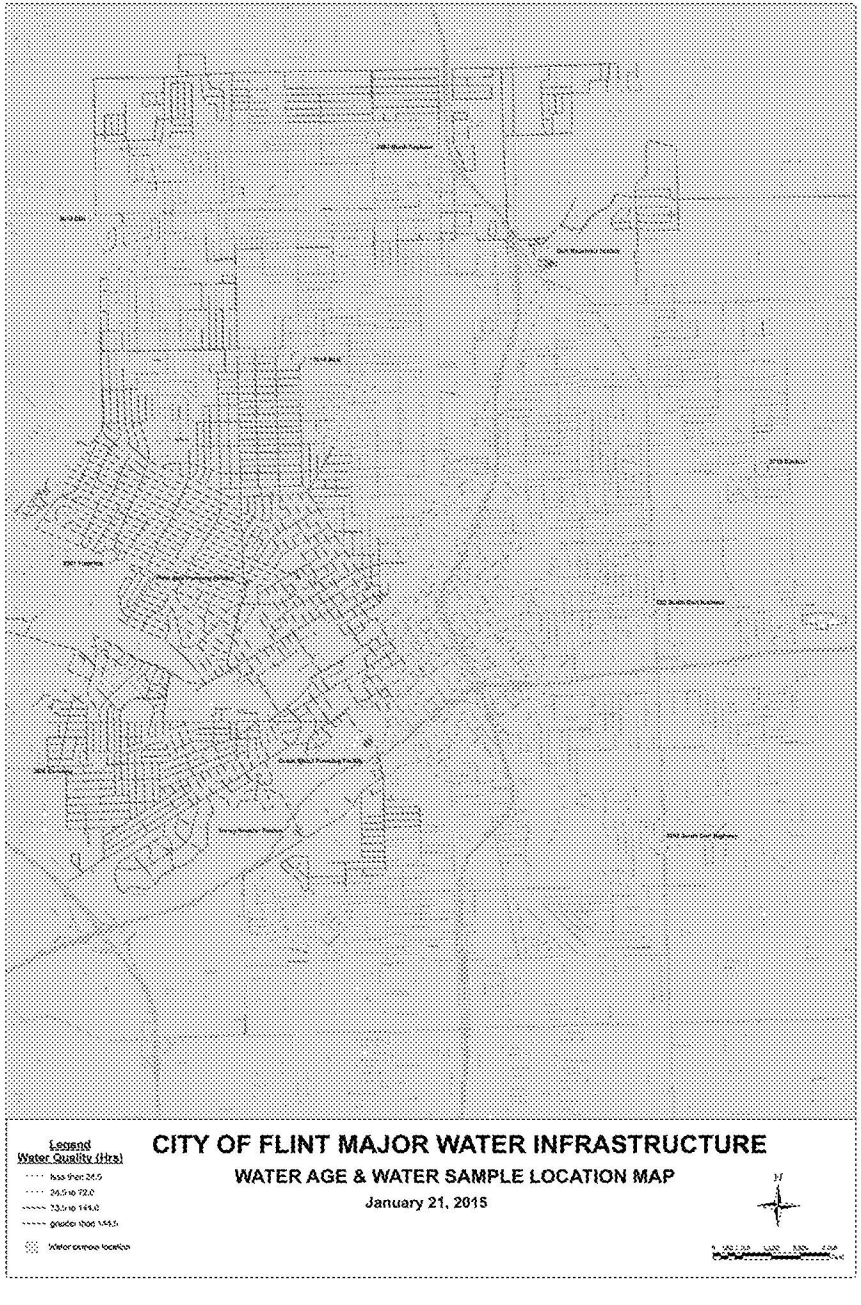
Results:

- PRE-SWITCH % EBLL: **4.0%**
- POST-SWITCH % EBLL: **10.6%**
- **$p < 0.05$; STATISTICALLY SIGNIFICANT CHANGE**

- Note: Hot spots between wards/zips

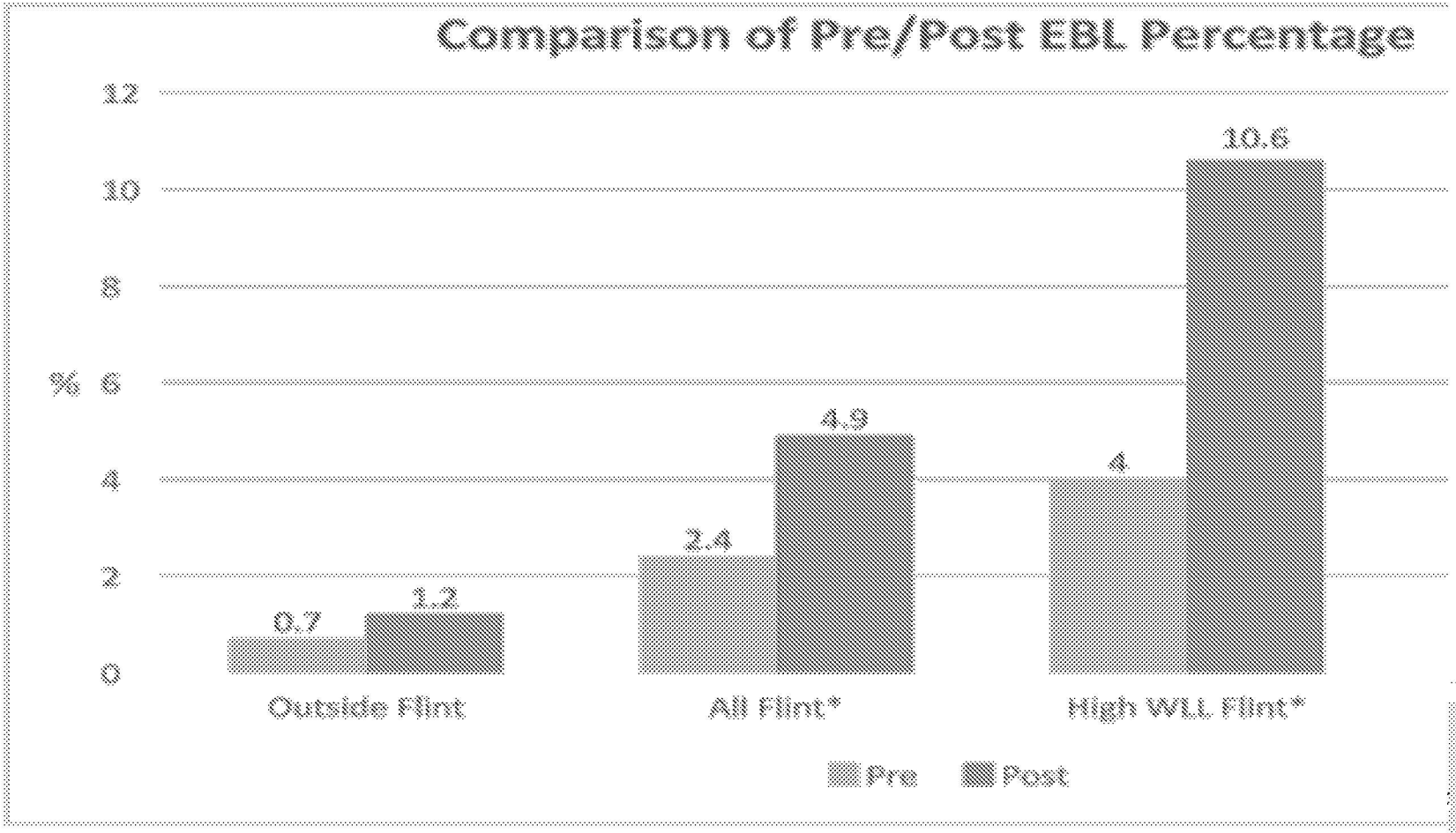
HURLEY MEDICAL CENTER


Ward 1 WLL = 18%
Ward 3 WLL = 18%
Ward 2 WLL = 25%
Ward 4 WLL = 6%
Ward 6 WLL = 28%
Ward 5 WLL = 32%
Ward 7 WLL = 28%
Ward 8 WLL = 20%
Ward 9 WLL = 30%
0 0.25 0.5 1 Miles
Flint City Wards
Major Streets
"Ward Y WLL = XX%" = % of ward where any water sample exceeded 15 ppb
Predicted BLL based on Ordinary Kriging Geostatistical Analysis
0.7 - 0.75
0.76 - 1
1.01 - 1.25
1.26 - 1.5
1.51 - 1.75
1.76 - 2
2.01 - 2.25
2.26 - 2.5
2.51 - 2.75
2.76 - 3.35
*Non-residential zones screened from results


Legend
Water Quality (Hrs)
less than 24.0
24.0 to 72.0
73.0 to 144.0
greater than 144.0
Water service location
CITY OF FLINT MAJOR WATER INFRASTRUCTURE
WATER AGE & WATER SAMPLE LOCATION MAP
January 21, 2015
N

Pre/Post EBL

HURLEY CHILDREN'S HOSPITAL



*p<0.05

Research results

- % of children with EBLL in Flint zips increased
  - Most striking increase in areas with highest water lead levels
- **Results significantly underestimate exposure:**
  - Infants not screened for lead
  - BLL may have peaked before being measured (blood half life 20-30 days)
  - Kids exposed in different settings throughout city
- Widened disparities
- Failure of primary prevention

What happened next?

- Sept 25 City of Flint Lead Health Advisory
- Sept 29 GCHD Health Advisory
- Oct 1 GCHD Public Health Emergency
- Oct 2 State filter program, increased water testing, expedited corrosion control
  - Oct 3 First filter distribution
- Oct 8 Three schools toxic WLL, announced reconnection to DWSD
- Oct 16 Water switched back to DWSD

Epigenetics

HURLEY CHILDREN'S HOSPITAL

Wayne State Researchers Discover Evidence That Lead Exposure in Mothers Can Affect Future Generations

Released: 2-Oct-2015 3:05 PM EDT
Source Newsroom: Wayne State University Division of Research

"A team of researchers at Wayne State University have discovered that mothers with high levels of lead in their blood not only affect the fetal cells of their unborn children, but also their grandchildren. "

HURLEY MEDICAL CENTER

Now

HURLEY CHILDREN'S HOSPITAL

- Preventable population-wide exposure
- Community traumatized
- Loss of trust in government and agencies
  - In 2015, in the middle of the great lakes, no guarantee of safe drinking water
- Ongoing public health emergency

Exposed Population

HURLEY CHILDREN'S HOSPITAL

- Currently identifying/labeling exposed population
- Cohort includes all children less than 6 years who at any time lived in Flint water limits (geocoded) from April 2014 to end date unknown (extend 9 months for fetal exposure).
- Per census data, approx. 8,000-9,000 children

HURLEY CHILDREN'S HOSPITAL

Quick Introduction to ACEs/Toxic Stress…

HURLEY MEDICAL CENTER

Adverse Childhood Experiences (ACEs)

HURLEY CHILDREN'S HOSPITAL

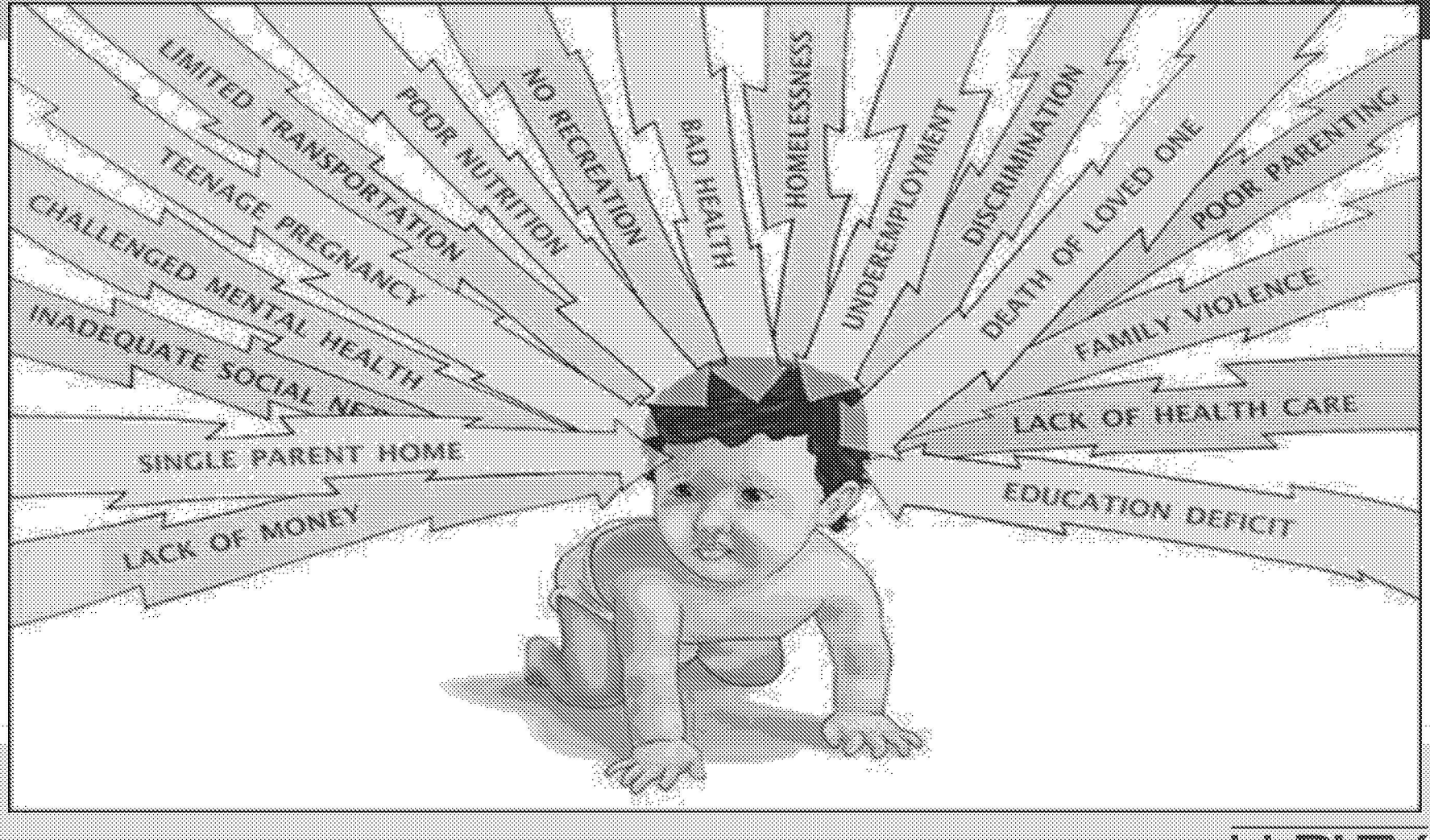
- ACEs are potentially traumatic events that can have negative, lasting effects on health and well-being.
- Also referred to as toxic stress or childhood trauma.
- As number of ACEs increase, the risk for health problems increase in a strong and graded fashion.
- An ACE score of 6 or more results in a 20 year decrease in life expectancy.

- CDC ACE study
  - Kaiser Permanente from 1995 to 1997 with more than 17,000 participants.

HURLEY MEDICAL CENTER

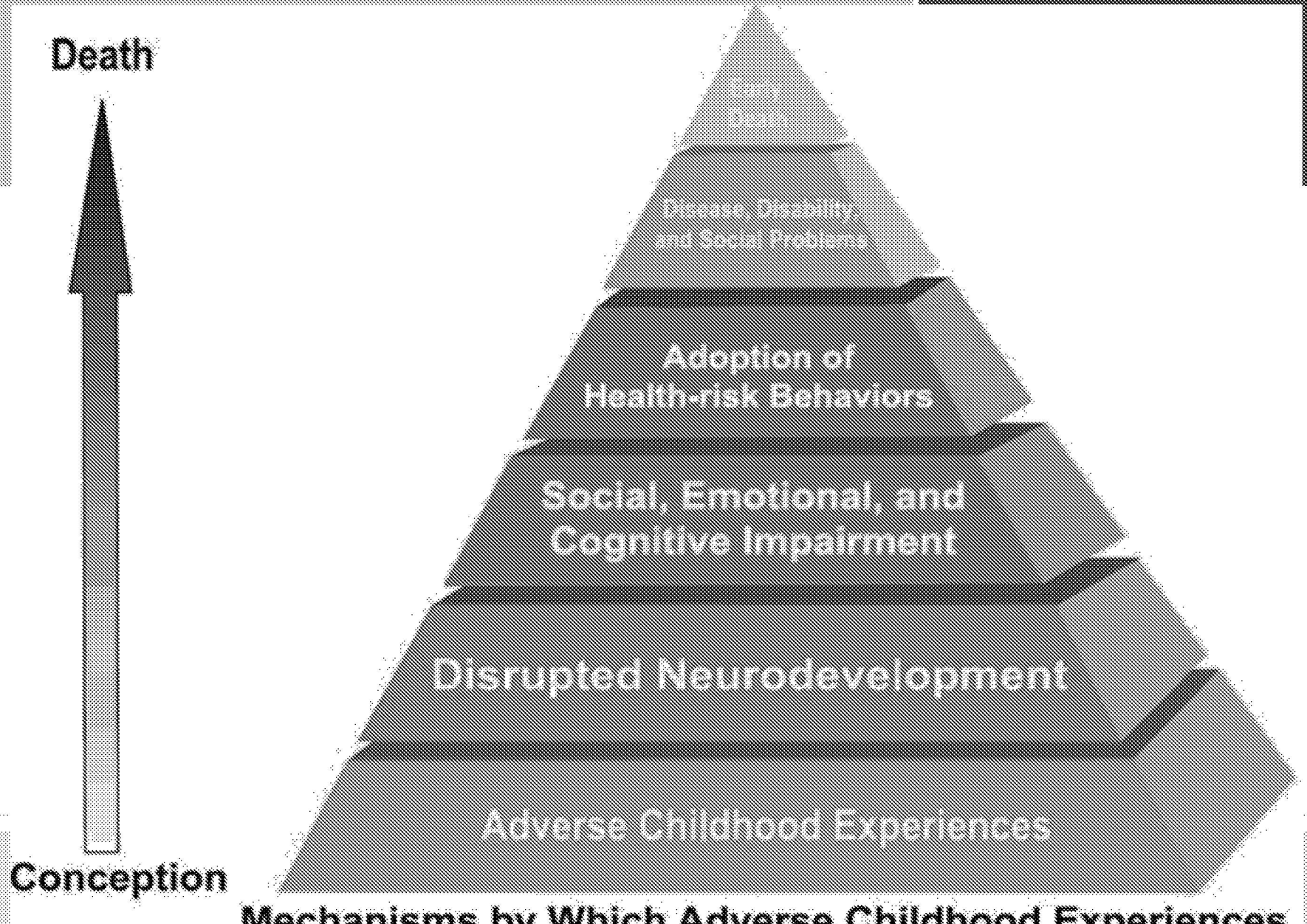
Toxic Stresses

HURLEY CHILDREN'S HOSPITAL



HURLEY MEDICAL CENTER

https://casaofsantacruz.wordpress.com/2014/10/08/continuing-education-webinar-how-toxic-stress-impacts-cas-children-families-communities-2/

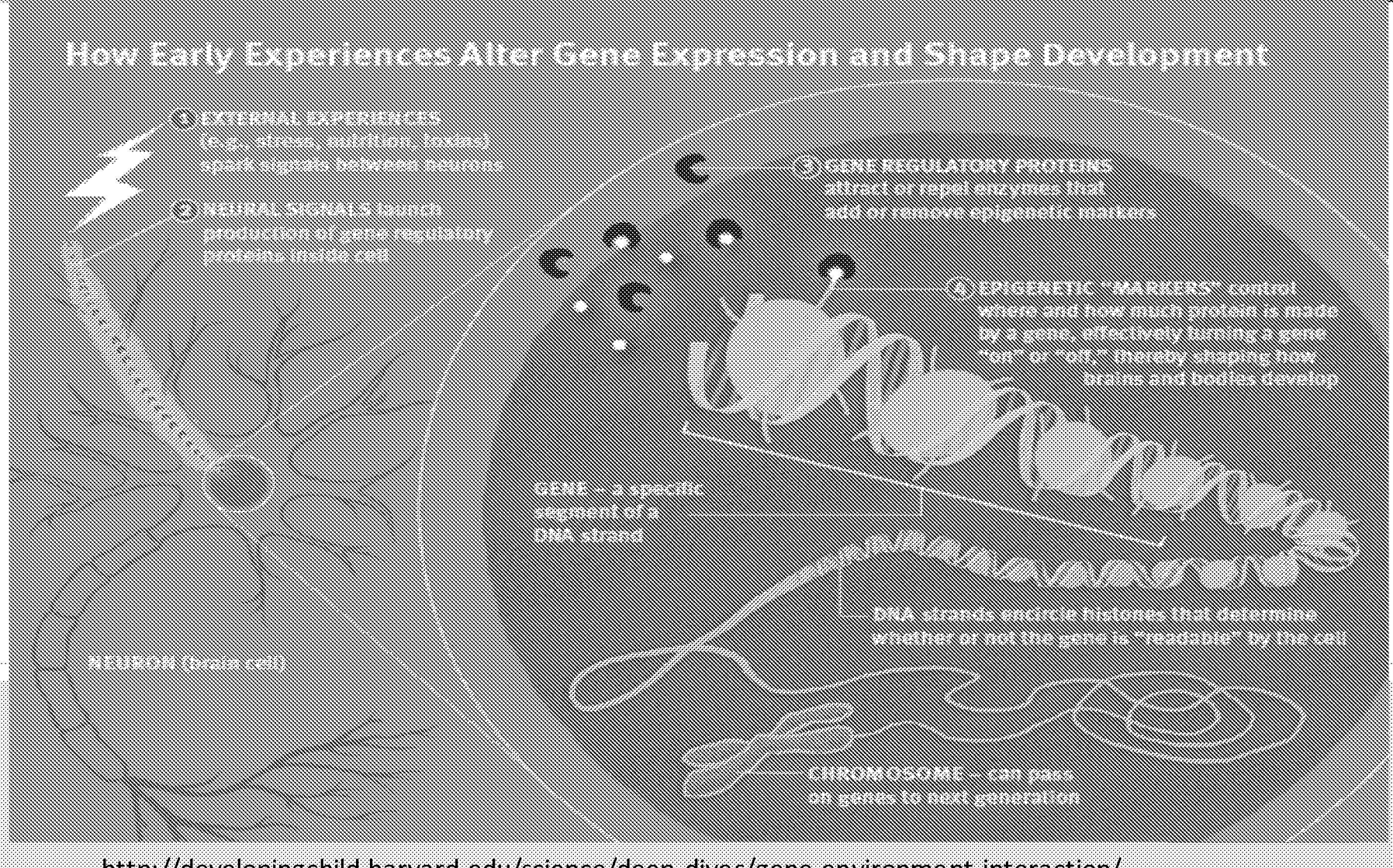


Mechanisms by Which Adverse Childhood Experiences Influence Health and Well-being Throughout the Lifespan

http://www.cdc.gov/violenceprevention/acestudy/

EPIGENETICS

HURLEY CHILDREN'S HOSPITAL



http://developingchild.harvard.edu/science/deep-dives/gene-environment-interaction/

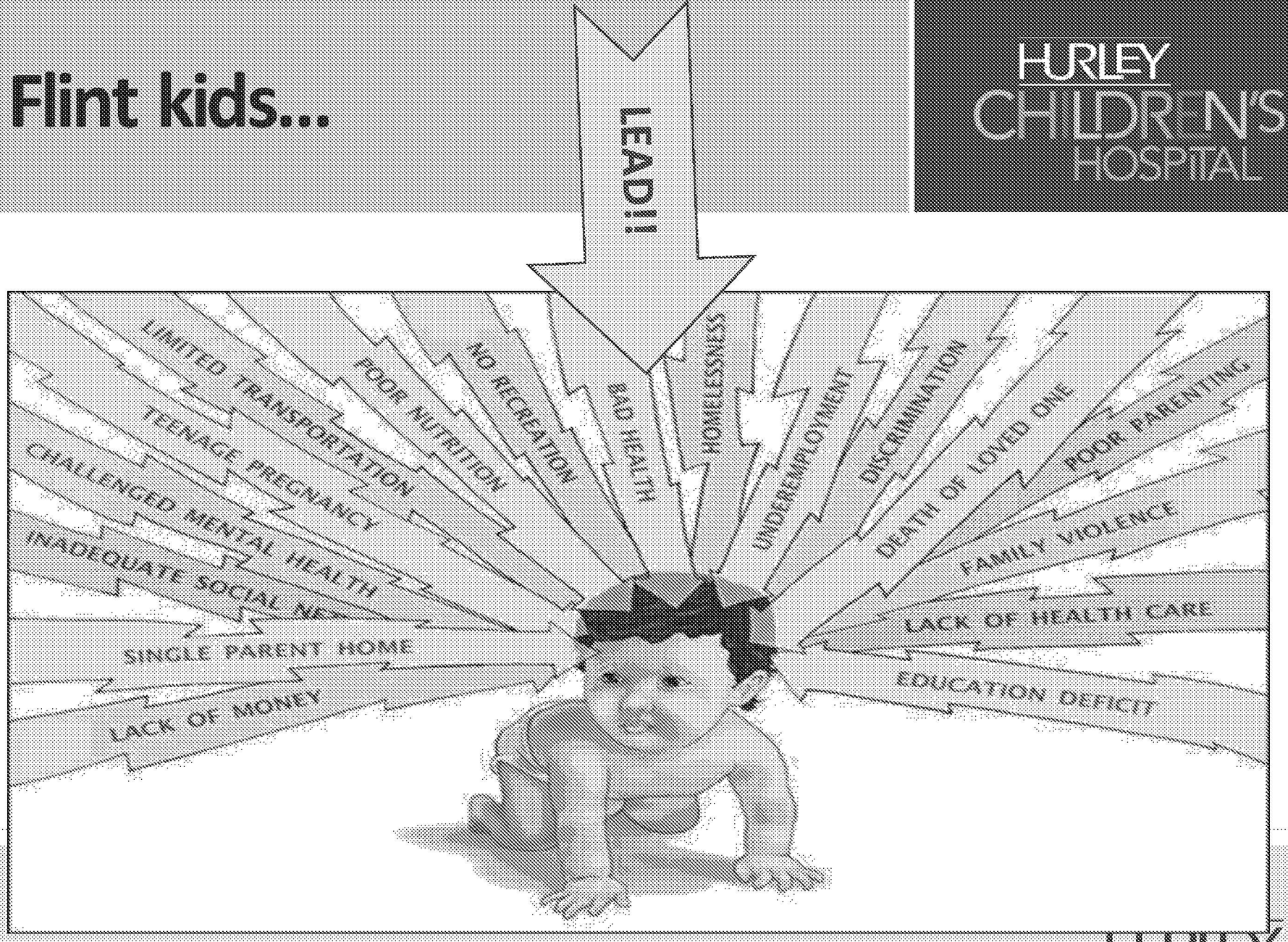
ACE/Toxic Stress

HURLEY CHILDREN'S HOSPITAL

- Many chronic diseases/disparities in adults are determined decades earlier, by experiences in childhood (0-6 critical)
- Lead exposure is an ACE/toxic stress

Flint kids...

HURLEY CHILDREN'S HOSPITAL



HURLEY MEDICAL CENTER

- Now what can we do???

Research/Assessment

HURLEY CHILDREN'S HOSPITAL

- Assess the impact of the exposure
  - Health impact
    - BLL
    - Longitudinal neurodevelopmental f/u
    - Cord blood Pb, brain injury markers, epigenetics
    - Retrospective fetal deaths, IUGR
  - Nutrition impact
  - Psychosocial impact
  - Water quality/infrastructure impact
- Continued monitoring
  - Academic/public health collaborations

HURLEY MEDICAL CENTER

Secondary Prevention

HURLEY CHILDREN'S HOSPITAL

- Unique opportunity to be proactive, to regain public trust, and to **buffer** impact of exposure
  - Short Term
  - Long Term

Short-Term Secondary Prevention

HURLEY CHILDREN'S HOSPITAL

- Consistent, coordinated, multi-method, trusted messaging/education/risk communication/PSAs
  - Need for central command/hub/emergency response

Short-Term Secondary Prevention

- Water still not safe (public health emergency)
  - Corrosion control optimization
  - Ongoing risk from scale disruption
  - Door to door filter/replacement distribution
    - # filters distributed approx 1/3 of homes
  - Public education re water precautions (filters, flushing, cold water, cooking, infants, etc)
  - Lead plumbing

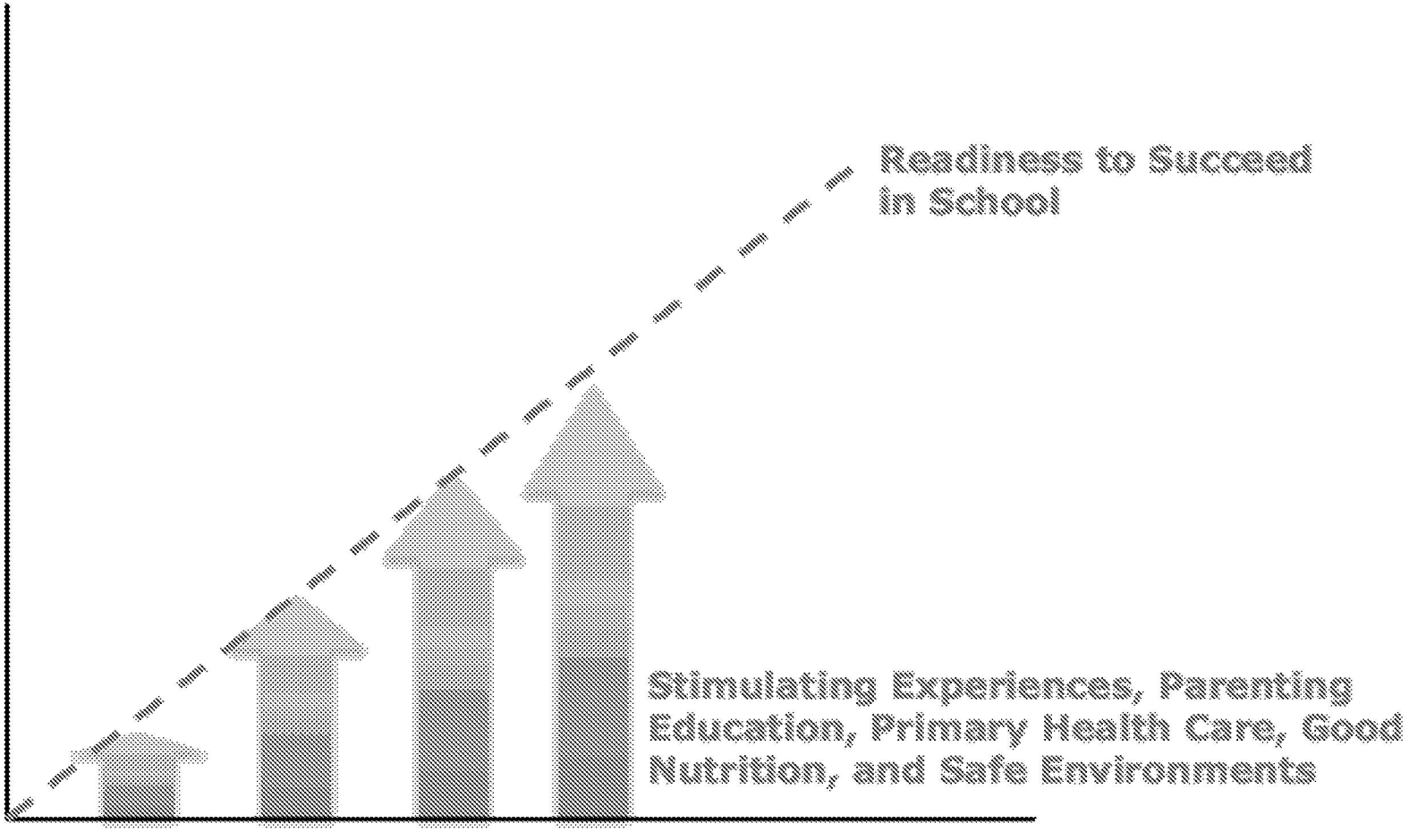
HURLEY CHILDREN'S HOSPITAL

Secondary Prevention Evidence Based Interventions

HURLEY MEDICAL CENTER

We know what works....

HURLEY CHILDREN'S HOSPITAL

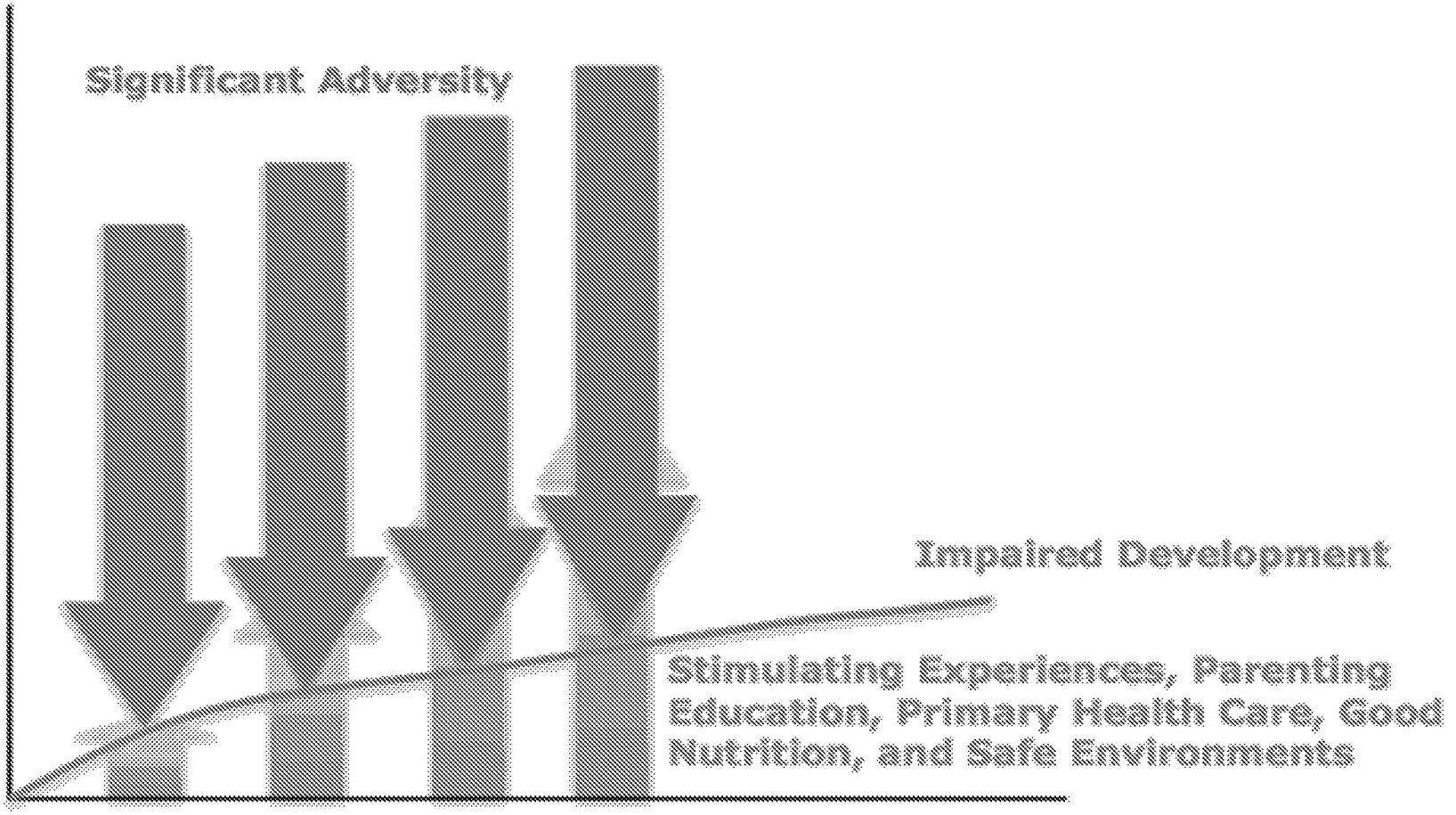


https://www.aap.org/en-us/advocacy-and-policy/federal-advocacy/Documents/Panel%201%20-%20Shonkoff%20Center%20on%20the%20Developing%20Child%20Presentation.pdf

HURLEY MEDICAL CENTER

And we know what hurts...

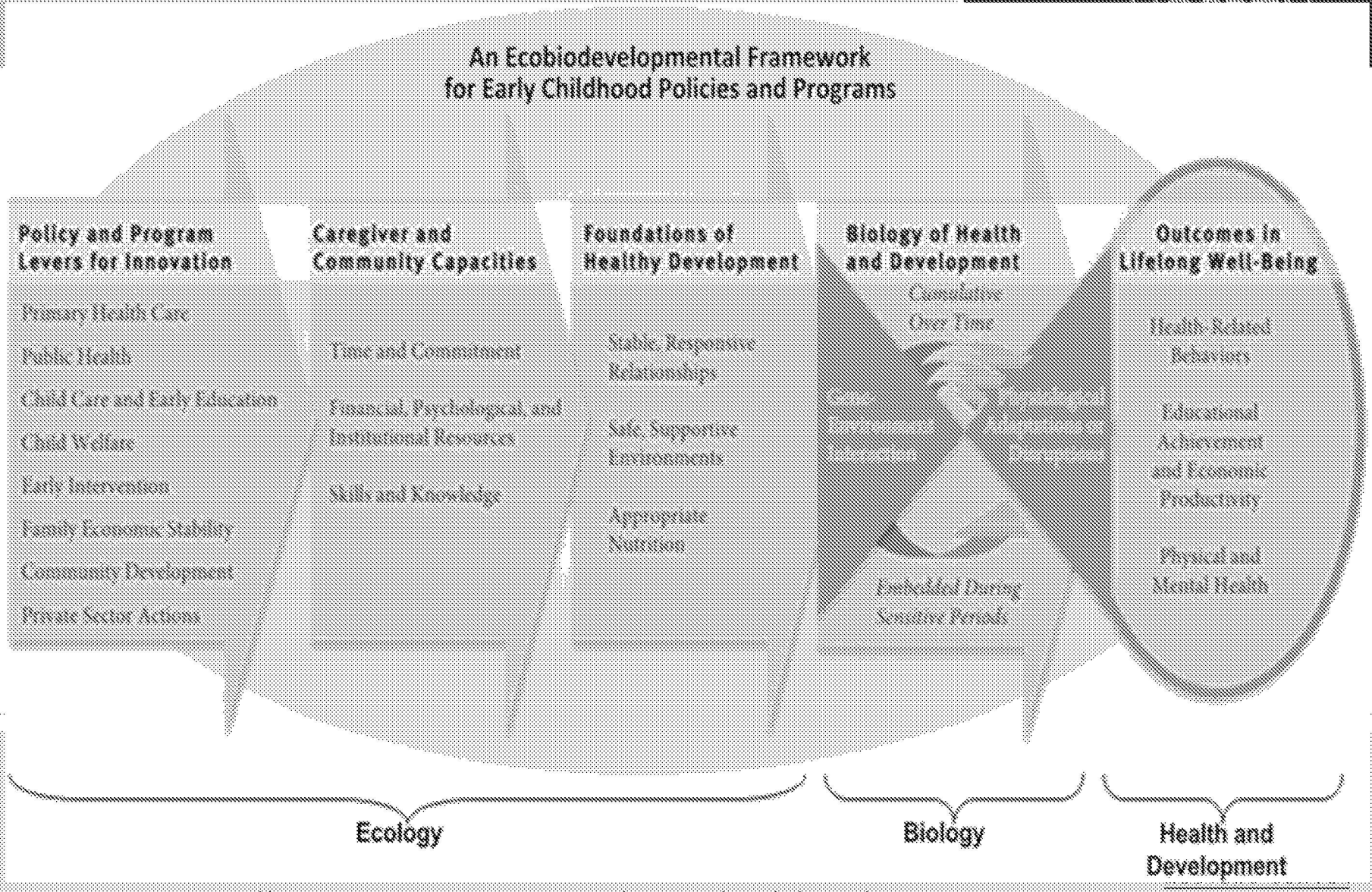
HURLEY CHILDREN'S HOSPITAL



https://www.aap.org/en-us/advocacy-and-policy/federal-advocacy/Documents/Panel%201%20-%20Shonkoff%20Center%20on%20the%20Developing%20Child%20Presentation.pdf

HURLEY MEDICAL CENTER

Evidence Based Interventions



http://pediatrics.aappublications.org/content/129/1/e232/F2.expansion.html

#flintwatercrisis
Secondary Prevention

HURLEY CHILDREN'S HOSPITAL

- Medical/Health
- Nutrition
- Education
- Caregiver capacity
- Water quality

Secondary Prevention
Medical/Health

HURLEY CHILDREN'S HOSPITAL

- Support and education for primary care providers regarding aggressive long-term neurodevelopmental screening & testing
- Improve access to Developmental and Behavioral (DBP) specialists, pediatric psychologists, pediatric psychiatrists
  - Preemptive referral to mental health/toxic stress screening
  - Support capacity building and/or incentivize recruitment to allow Genesee Health System (CMH) to build this capacity which is currently needed and lacking
- Increase recognition and education regarding trauma informed care, social determinants of health (SDOH)
- Consider health fund/enrollment in Children's Special Health Care Services (CSHCS) for exposed kids to cover long-term needs

HURLEY MEDICAL CENTER

Secondary Prevention Medical/Health

- Expand state-funded Genesee Health System (CMH) services
  - Infant Mental Health (30 capacity)
  - Child case management
  - Home-based services
  - Trauma informed care – trauma focused CBT

Secondary Prevention
Medical/Health

HURLEY CHILDREN'S HOSPITAL

- Role of Medicaid HMO plans:
  - Support to drive patients to medical home: enhanced transportation, case management, HEDIS monitoring, pt incentives, mental health access, etc
  - Reimbursement for integrated social work, registered dietician, mental health services, OT/PT services
  - Encourage collaboration/mandate support of Genesee Children's Healthcare Access Program (CHAP)

HURLEY MEDICAL CENTER

Hurley Children's Clinic

Thinking Outside The Box

HURLEY CHILDREN'S HOSPITAL

- Transportation
- Social work
- WIC RD/Nutrition
- Peds Psychology
- Training site

HURLEY MEDICAL CENTER

Secondary Prevention
Nutrition

HURLEY CHILDREN'S HOSPITAL

- Short-term mitigation/protection
  - Promotion/education of Iron, Calcium, Vit C diets
- Promote enrollment and participation in pre-existing nutrition resources (WIC, SNAP, DUFB, MTA)
- Expand WIC eligibility, access (co-locate with PMD), benefits

Secondary Prevention
Nutrition

HURLEY CHILDREN'S HOSPITAL

- Improve food access/security efforts
  - Subsidies, pilots – grocery stores, mobile groceries, urban farming, etc
- Invest in breastfeeding promotion, education, and support services

Secondary Prevention
Education

- Subsidize quality childcare options
- Automatic referral/assessment by Early Intervention (Early On)
- Enroll all in early head start, head start
  - Universal Pre-school/Flint Pre-Promise
- Strengthen special education capacity/trained personnel

Secondary Prevention
Education

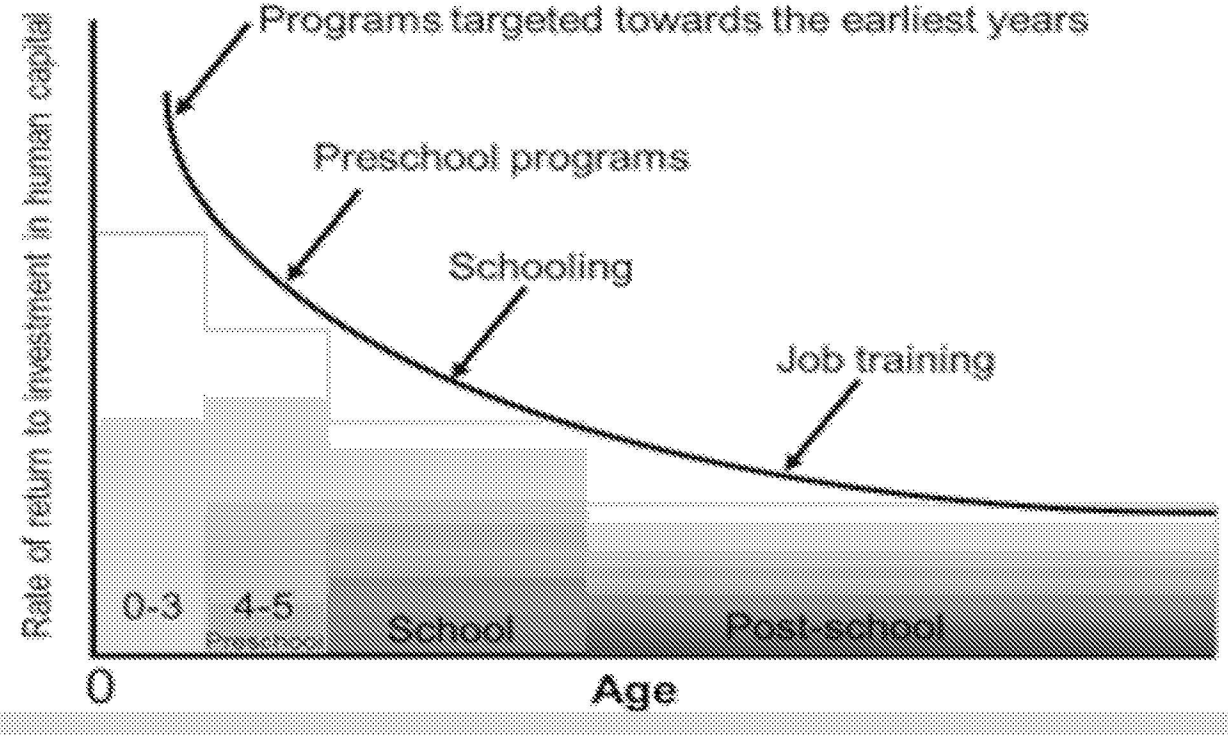
HURLEY CHILDREN'S HOSPITAL

- Invest in school health/wellness/behavioral health
  - School nurse:student ratio – MI ranked worst in country
  - 1:750 recommended
  - 1:6,500 Flint
- Place MDHHS employee at every school
- Model lead safe school campaigns
  - Proactive water testing, lead plumbing investigations
  - Lead mitigating school nutrition

Investing in Children: Younger The Better

HURLEY CHILDREN'S HOSPITAL

Rates of Return to Human Capital Investment at Different Ages: Return to an Extra Dollar at Various Ages



https://www.aap.org/en-us/advocacy-and-policy/federal-advocacy/Documents/Panel%202%20-%20Marks%20RWJF%20Presentation.pdf

HURLEY MEDICAL CENTER

Secondary Prevention
Caregiver capacity

HURLEY CHILDREN'S HOSPITAL

- Toxic stress and resilience
  - "Strong, frequent, and/or prolonged activation of the body's stress-response system in the absence of the **buffering protection of a supportive, adult relationship**."

Shonkoff, J & Garner, A. (2012) The lifelong effects of early childhood adversity and toxic stress. Pediatrics, 129(1). 232-246.

HURLEY MEDICAL CENTER

Secondary Prevention
Caregiver capacity

HURLEY CHILDREN'S HOSPITAL

- Need to support parents and programs to improve parenting skills
- Evidence-based parenting programs
  - Incredible Years (HCH AAP Grant)
  - Triple P
  - Everyday Parenting
  - Adventures in Parenting
  - Home visiting programs
  - Strengthening Families Framework
  - Maternal Infant Health Program (MIHP)
  - Healthy Start
  - Nurse Family Partnership (NFP)

HURLEY MEDICAL CENTER

Nurse Family Partnership

HURLEY CHILDREN'S HOSPITAL

- 56% reduction in emergency room visits for accidents and poisonings in the second year of the child's life
- 50% reduction in behavioral problems when the children enter school.
- 48% reduction in state-verified reports of child abuse and neglect by child age 15
- 39% fewer healthcare encounters for injuries or ingesions in the first two years of life
- Increase in language scores

"Nurse-Family Partnership", Early Childhood, Social Programs That Work, Coalition for Evidence-Based Policy
hVp://evidencebasedprograms.org/wordpress/?page_id=57

HURLEY MEDICAL CENTER

Secondary Prevention
Caregiver capacity

HURLEY CHILDREN'S HOSPITAL

- Increase support for state-funded NFP, Healthy Start and MIHP
  - Hurley-run NFP capacity for 100

HURLEY MEDICAL CENTER

Secondary Prevention
Water Safety/Infrastructure

HURLEY CHILDREN'S HOSPITAL

- Opportunity to model best practices for lead in water monitoring to protect public health rather than a focus on minimum compliance
  - EPA Flint Safe Drinking Water Taskforce
- Flint will change water source and treat water again once connected to KWA (2016), should not be rushed
- Full lead plumbing replacement (can be targeted)

HURLEY MEDICAL CENTER

Next Steps

HURLEY CHILDREN'S HOSPITAL

- Primary prevention failed
  - Preventable population-wide exposure
- Secondary prevention must be priority

- Invest and prioritize in evidence based interventions that mitigate exposure and build childhood resilience
  - Ages 0 to 6 years critical for life course trajectory

HURLEY MEDICAL CENTER

Top Five Interventions

HURLEY CHILDREN'S HOSPITAL

1. Support for emergency response
2. Increase funding/capacity for home visiting maternal-infant support programs
3. Guarantee Flint Pre-Promise (3-5 year quality early education)
4. Fund RN in every Flint school
5. Encourage innovative Medicaid HMO plan and medical home initiatives (ie: CHAP)

HURLEY MEDICAL CENTER

HURLEY CHILDREN'S HOSPITAL

It's easier to build strong children than to repair broken men.

Frederick Douglass, 1855

HURLEY MEDICAL CENTER

Additional Resources

HURLEY CHILDREN'S HOSPITAL

- Harvard Center for Developing Child
  - http://developingchild.harvard.edu/
- AAP Toxic Stress Resources
  - https://www.aap.org/en-us/advocacy-and-policy/aap-health-initiatives/EBCD/Pages/Public-Health-Approach.aspx
- Strengthening Families: A Protective Factors Framework
  - http://www.cssp.org/reform/strengtheningfamilies
- CDC ACE Study
  - http://www.cdc.gov/violenceprevention/acestudy/
- *Pediatrics* articles
  - AAP Policy Statement: Early Childhood Adversity, Toxic Stress, and the Role of the Pediatrician: Translating Developmental Science Into Lifelong Health
  - AAP Technical Report: The Lifelong Effects of Early Childhood Adversity and Toxic Stress

HURLEY MEDICAL CENTER

Thank you!

From: Mona Hanna-Attisha <[redacted]>
Sent: Tuesday, December 15, 2015 1:56 PM
To: Baird, Richard (GOV)
Cc: Laurence Reynolds; Matthew M. Davis; Chris Kolb; Ken Sikkema; Chris De Witt; Eric Rothstein; Lyon, Nick (DHHS); Hollins, Harvey (GOV)
Subject: Re: Meeting with Dr. Mona Hanna-Attisha and Flint Water

FYI secondary prevention

http://stateofopportunity.michiganradio.org/post/flint-pediatrician-out-water-crisis-opportunity

Mona Hanna-Attisha MD MPH FAAP
Director, Pediatric Residency Program
Hurley Children's Hospital
Michigan State University

On Dec 15, 2015, at 11:53 AM, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:

> Dr. Mona:
>
> It was a real pleasure meeting you and thank you for the incredible work you are doing on behalf of the children in my native city. We are committed to working with you on all fronts to make the way forward the best it could be. Also, I want to let you know that I did follow up on whether the former DEQ department leader was still working on water related issues. To my surprise you were correct. When additional schools needed to be tested she was added to help with the workload. I am told she did not supervise, conclude on testing, or anything of that nature but they needed help and the director of DEQ did approve a limited role for her. He is going to be meeting with the TF tomorrow to discuss actions underway. I apologize for asserting otherwise as I had not been aware.
>
> Please call me if I can assist in any way.
>
> Rich
>
> ---
>
> **From:** Mona Hanna-Attisha [mailto[redacted]
> **Sent:** Monday, December 14, 2015 7:02 PM
> **To:** Baird, Richard (GOV); Laurence Reynolds; Matthew M. Davis; Chris Kolb; Ken Sikkema; Chris De Witt; 'Eric Rothstein'; Lyon, Nick (DHHS); Hollins, Harvey (GOV)
> **Subject:** RE: Meeting with Dr. Mona Hanna-Attisha and Flint Water
>
> Mr. Baird and all the other guys,
>
> It was a pleasure meeting everyone and a privilege to present to you all. As I said, we have an incredible and unique opportunity to mitigate the impact of this population-wide exposure. If we act now, proactively, we can buffer our kids from the life-altering impacts of lead poisoning.
>
> Flint has many claims to fame (we put the world on wheels, we birthed Mr. Baird!, etc); and now, with your leadership, we can continue to build generations of strong, smart, and healthy children.

If I can be of any further assistance, please don't hesitate to contact me. Email or cell 248-884-2393.

Thanks again, Mona

Mona Hanna-Attisha MD MPH FAAP
Program Director Pediatric Residency
Hurley Children's Hospital at Hurley Medical Center
Michigan State University College of Human Medicine
Department of Pediatrics and Human Development
[redacted]

From: Baird, Richard (GOV) [bairdr@michigan.gov]
Sent: Thursday, December 10, 2015 2:27 PM
Required: Baird, Richard (GOV); Laurence Reynolds; Matthew M. Davis; Chris Kolb; Ken Sikkema; Chris De Witt; 'Eric Rothstein'; Lyon, Nick (DHHS); Grijalva, Nancy (DHHS); Mona Hanna-Attisha
Subject: Meeting with Dr. Mona Hanna-Attisha and Flint Water
When: Monday, December 14, 2015 11:00 AM-12:00 PM.
Where: Governor's Conference Room, 2nd Floor Romney Building, 111 S. Capitol Ave., Lansing, MI 48933

Good Morning,

This is to confirm the meeting with Rich Baird on **Monday, December 14** at **11:00 a.m.** in the Governor's Conference room, second floor Romney Building, 111 S. Capitol Ave. Lansing, MI 48933.

We are located at the George W. Romney Building, 111 S. Capitol Avenue, Lansing. The Romney Building is located directly across the street (Capitol Avenue) from the Capitol Building. There is some metered parking around the building. The closest parking facility is one block south at the corner of Capitol Avenue and Allegan Street (enter the parking facility from Capitol Avenue). https://www.parkme.com/lot/93032/tower-parking-ramp-lansing-mi

You will also want to have a picture I.D. handy for security in the Romney Building. Please let security know who you have a meeting with, they will call me and then send you up to the second floor.

Please let me know if you have any questions.

Thank you!

Virginia Manolakoudis
Executive Assistant for Richard Baird
Executive Office of Governor Rick Snyder
(517) 241-5621
ManolakoudisV@michigan.gov

From: Baird, Richard (GOV)
Sent: Thursday, December 24, 2015 9:54 AM
To: Hollins, Harvey (GOV)
Subject: Fwd: BRIEFING: Auditor General answers on Flint water situation

I was totally off base yesterday in my understanding that only Ananich would be privy to the results. Sorry for the misstatement of fact.

Sent from my iPad

Begin forwarded message:

> **From:** "Calley, Brian (GOV)" <[redacted]
> **Date:** December 24, 2015 at 8:02:11 AM CST
> **To:** "Holland, Meegan (GOV)" <HollandM2@michigan.gov>
> **Cc:** "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>, "Baird, Richard (GOV)" <bairdr@michigan.gov>, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>, "Walsh, John (GOV)" <WalshJ@michigan.gov>, "Snyder, Rick (GOV)" [redacted] "Clement, Elizabeth (GOV)" <clemente@michigan.gov>, "Scott, Allison (GOV)" <scotta12@michigan.gov>
> **Subject: Re: BRIEFING: Auditor General answers on Flint water situation**
>
> We should ask that it be released soon. It's hard to explain why it would not be made public just as other actions from the Auditor are.
>
> On Dec 24, 2015, at 8:38 AM, Holland, Meegan (GOV) <HollandM2@michigan.gov> wrote:
>
> > It was provided to Sen. Ananich at close of business day yesterday. We're waiting to see what Sen. Ananich does with the letter. I don't know if the Auditor General will actually release it, since it was a response to Sen. Ananich's questions.
> >
> > Regards,
> > Meegan
> >
> > ---
> >
> > **From:** Calley, Brian (GOV)
> > **Sent:** Thursday, December 24, 2015 8:36 AM
> > **To:** Holland, Meegan (GOV) <HollandM2@michigan.gov>
> > **Cc:** Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>; Snyder, Rick (GOV) <[redacted]
> > Clement, Elizabeth (GOV) <clemente@michigan.gov>; Scott, Allison (GOV) <scotta12@michigan.gov>
> > **Subject:** Re: BRIEFING: Auditor General answers on Flint water situation
> >
> > Great summary. Thank you.
> >
> > Is this on publicly released yet?

On Dec 24, 2015, at 8:07 AM, Holland, Meegan (GOV) <HollandM2@michigan.gov> wrote:

Colleagues:

Here is a summary of answers from the Office of the Auditor General in response to questions mostly posed by Sen. Jim Ananich's office (the auditor added a few questions in the 11-page report). The questions came as the OAG conducts an audit of the Office of Drinking Water and Municipal Assistance's handling of the Flint water crisis.

Conclusions:

While the City Council voted in March 2013 to move to the KWA pipeline, it didn't designate the Flint River as an interim water source. But the DEQ had approved the river as a backup source for emergency purposes in 2006. The treated water met safety standards in quarterly tests by the Flint WTP, but Flint had never tested its effect on the distribution system.

In an email review of key DEQ managers to determine if there was an effort to conceal information, only one email exchange raised red flags. The EPA had asked DEQ in February 2015 if Flint had a corrosion control program; the DEQ responded the city had an optimized program in place. But in April the EPA asked again, and the DEQ said that the Flint Water Treatment Plant (WTP) was not doing corrosion control. DEQ later explained that its first response referred to its program to monitor a new water source (in this case, the Flint river) for lead/copper for two consecutive six-month periods to determine optimal corrosion treatment. The report says there's no reason to believe that DEQ willfully misrepresented information to the EPA. It also concludes that ODWMA employees appeared to have notified management properly about the unfolding Flint water situation.

DEQ did not consult with the EPA on how best to apply the Lead and Copper Rule (LCR) monitoring practices after the switch to Flint water, but from past experience, DEQ believed it was doing so correctly by doing two rounds of six-month monitoring on the new water source before determining optimal corrosion control. The EPA disagreed with DEQ's interpretation of the LCR, but later stated that the LCR was open to interpretation. It then clarified the rule; the upshot: corrosion controls already in place when Flint was on Detroit water should have been maintained after the switch.

DEQ should have notified the Flint WTP to start corrosion controls once the first round of six-month sampling results arrived in late March 2015 and showed the water exceeded acceptable lead levels.

DEQ doesn't oversee the Flint WTP so it doesn't have any accountability measures to ensure the WTP is collecting water samples from tier 1 homes, i.e., residences with lead service lines, soldering or plumbing.

Instead, DEQ relies on Flint's certification of sample sites. The auditor suggests DEQ should consider an independent verification of the sampling pool or Flint's certifications. In November 2015, Flint admitted that it had no way to ensure the sites were all tier 1. Water samples came from 175 randomly distributed testing bottles. DEQ has asked Flint to verify its prior samples by this Wednesday (12/30).

There's been controversy that DEQ dropped two sampling sites with high lead levels from its second six-month review. It was appropriate for DEQ to do so because those sites did not meet federal criteria. It was also appropriate for DEQ to require flushing taps the night before sampling to ensure faucets didn't contain overly stagnant water.

Charts show that most water samples were taken in the sixth month of the six-month testing period. The report said it's tough to determine if the lateness of the sampling affects the accuracy.

The report ends with an excellent timeline. I have attached the report in case you want to review the timeline on page 11.

Meegan Holland
Director of Communications for Gov. Rick Snyder
Office: 517-335-6397
Mobile: [redacted]
Twitter: @meholland

<Auditor General Letter - City of Flint Drinking Water (002).pdf>

From: Baird, Richard (GOV)
Sent: Wednesday, December 30, 2015 8:56 PM
To: Hollins, Harvey (GOV)
Subject: Fwd: RE: Attorney Client Work Product (Draft), Privileged and Confidential

He's right. We need local engagement but the politics and "other agenda" leave no room at the top for a local in my view. If we are going to be accountable for making this work without being political the only folk I trust are you and him.

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov>
Date: Dec 30, 2015 8:38 PM
Subject: RE: Attorney Client Work Product (Draft), Privileged and Confidential
To: "Creagh, Keith (DNR)" <creaghk@michigan.gov>,"Baird, Richard (GOV)" <bairdr@michigan.gov>
Cc: "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>,"Clement, Elizabeth (GOV)" <clemente@michigan.gov>,"Hollins, Harvey (GOV)" <hollinsh@michigan.gov>,"Holland, Meegan (GOV)" <HollandM2@michigan.gov>,"Murray, David (GOV)" <MurrayD1@michigan.gov>,"Redford, James (GOV)" <RedfordJ@michigan.gov>,"Becker, Timothy (DHHS)" <beckert1@michigan.gov>,"Roberts, John (DTMB)" <RobertsJ9@michigan.gov>,"Etue, Kriste (MSP)" <EtueK@michigan.gov>,"Lyon, Nick (DHHS)" <LyonN2@michigan.gov>

The concern I have with having a local as a vice chair is that this is being pushed to the state level to fix. Similar to an emergency that reaches the state level, we need to have one lead to move this forward and that should be at the state level. I have run numerous state and federal disasters in this manner. The locals are pushing the request for resources to the state so this is them saying they cannot do anything more and handing this off to the state. This is one of the areas I mentioned that needs to stay consistent with the Emergency Management Act and how we manage incidents.

Locals still have a voice in this (one way is that they are generating the requests for resources to assist).

Chris

From: Creagh, Keith (DNR)
Sent: Wednesday, December 30, 2015 8:15 PM
To: Baird, Richard (GOV)
Cc: Agen, Jarrod (GOV); Clement, Elizabeth (GOV); Hollins, Harvey (GOV); Kelenske, Chris (MSP); Holland Meegan (GOV); Murray, David (GOV); Redford, James (GOV); Becker, Timothy (DHHS); Roberts, John

(DTMB); Etue, Kriste (MSP); Lyon, Nick (DHHS)
Subject: Re: Attorney Client Work Product (Draft), Privileged and Confidential

Thanks for the opportunity to comment. I agree with Jim that it would be good to have a local entity at least be a co vice chair if possible. I would question statement of need wording and ask that it be reflect of the need for additional resources, integrated approach, additional professional expertise, enhanced communication,coordination and connection...you get the gist. Rich I would be happy to discuss at your convenience if appropriate. This would appear consistent with the request from Flint. Also in my limited (and I stress limited) discussions today I asked what success looked like and it included many of the suggested components. The individual I was speaking with wanted to further explore:

Increased funding/focus for Head start to get ahead of the curve

School nutrition and distribution systems (year around)

Fresh produce/local foods

Individual health screening

Infrastructure improvements

I know most if not all are identified in the outline but might want to further explain the nutrition component if the Docs in the group say it might be beneficial for those involved.

Thanks again-Keith

Sent from my iPad

On Dec 30, 2015, at 6:57 PM, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:

> Team:
>
> Today Harvey and I met with the Flint Water Task Force. It was a good meeting. People were pleased with the G's statement from the prior day. Captain Kelenske joined us and we had a very good discussion about moving forward with the creation of the Flint Water Crisis Agency Coordinating Committee (FIACC). Tim Becker and Captain Kelenske provided me with a fair amount of input. I also read the City of Flint Incident Action Plan for a State of Emergency

which Chris received today (enclosed for those who wish to read it as well). I have distilled all of this into a two page plan that I want your edits and comments on and a one page organizational chart (now presented in the "governor's colors" according to our fine people in Communications). Spoiler alert—I made Captain Kelenske Vice Chair of the whole shebang (with the Colonel's blessing) so Harvey wouldn't get lonely.

Here is my ask of you:

1) Within 24 (sooner if you can) hours give me your comments and input

2) Tomorrow I will turn around a final document for Jarrod to review with the Governor either New Year's Day or Saturday

3) Ideally, Governor will approve Harvey sending it to Mayor Weaver Saturday (Sunday latest)

4) Mayor needs to know that this is what the Governor wishes to discuss at the meeting January 7 along with financial resources that we still need some estimates on cost from DHHS for

5) Meegan and Dave need to noodle how best to get out front with this and change the narrative focus on Monday's Genesee County declaration of emergency

I know we are all working way too hard for what should be a rest and recharge period but I do appreciate everyone's efforts and I know the Boss really does as well.

Regards,

Rich

<A Proposal to Create the Flint Water Inter.docx>

<IA Coord Com Org Chart.jpg>

<IAP Flint Water 2015-12-29.pdf>

From: Hollins, Harvey (GOV)
Sent: Wednesday, December 30, 2015 9:17 PM
To: Baird, Richard (GOV)
Subject: Re: Attorney Client Work Product (Draft), Privileged and Confidential

I know...but the FWTAF is correct about having local engagement on this.

Best,
Harvey

On Dec 30, 2015, at 8:55 PM, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:

> He's right. We need local engagement but the politics and "other agenda" leave no room at the top for a local in my view. If we are going to be accountable for making this work without being political the only folk I trust are you and him.
>
> *Sent from my Verizon Wireless 4G LTE DROID*
> ---------- Forwarded message ----------
> From: "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov>
> Date: Dec 30, 2015 8:38 PM
> Subject: RE: Attorney Client Work Product (Draft), Privileged and Confidential
> To: "Creagh, Keith (DNR)" <creaghk@michigan.gov>,"Baird, Richard (GOV)" <bairdr@michigan.gov>
> Cc: "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>,"Clement, Elizabeth (GOV)" <clemente@michigan.gov>,"Hollins, Harvey (GOV)" <hollinsh@michigan.gov>,"Holland, Meegan (GOV)" <HollandM2@michigan.gov>,"Murray, David (GOV)" <MurrayD1@michigan.gov>,"Redford, James (GOV)" <RedfordJ@michigan.gov>,"Becker, Timothy (DHHS)" <beckert1@michigan.gov>,"Roberts, John (DTMB)" <RobertsJ9@michigan.gov>,"Etue, Kriste (MSP)" <EtueK@michigan.gov>,"Lyon, Nick (DHHS)" <LyonN2@michigan.gov>
>
> The concern I have with having a local as a vice chair is that this is being pushed to the state level to fix. Similar to an emergency that reaches the state level, we need to have one lead to move this forward and that should be at the state level. I have run numerous state and federal disasters in this manner. The locals are pushing the request for resources to the state so this is them saying they cannot do anything more and handing this off to the state. This is one of the areas I mentioned that needs to stay consistent with the Emergency Management Act and how we manage incidents.
>
> Locals still have a voice in this (one way is that they are generating the requests for resources to assist).

Chris

From: Creagh, Keith (DNR)
Sent: Wednesday, December 30, 2015 8:15 PM
To: Baird, Richard (GOV)
Cc: Agen, Jarrod (GOV); Clement, Elizabeth (GOV); Hollins, Harvey (GOV); Kelenske, Chris (MSP); Holland, Meegan (GOV); Murray, David (GOV); Redford, James (GOV); Becker, Timothy (DHHS); Roberts, John (DTMB); Etue, Kriste (MSP); Lyon, Nick (DHHS)
Subject: Re: Attorney Client Work Product (Draft), Privileged and Confidential

Thanks for the opportunity to comment. I agree with Jim that it would be good to have a local entity at least be a co vice chair if possible. I would question statement of need wording and ask that it be reflect of the need for additional resources, integrated approach, additional professional expertise, enhanced communication,coordination and connection...you get the gist. Rich I would be happy to discuss at your convenience if appropriate. This would appear consistent with the request from Flint. Also in my limited (and I stress limited) discussions today I asked what success looked like and it included many of the suggested components. The individual I was speaking with wanted to further explore:

Increased funding/focus for Head start to get ahead of the curve

School nutrition and distribution systems (year around)

Fresh produce/local foods

Individual health screening

Infrastructure improvements

I know most if not all are identified in the outline but might want to further explain the nutrition component if the Docs in the group say it might be beneficial for those involved.

Thanks again-Keith

Sent from my iPad

On Dec 30, 2015, at 6:57 PM, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:

Team:

Today Harvey and I met with the Flint Water Task Force. It was a good meeting. People were pleased with the G's statement from the prior day. Captain Kelenske joined us and we had a very good discussion about moving forward with the creation of the Flint Water Crisis Agency Coordinating Committee (FIACC). Tim Becker and Captain Kelenske provided me with a fair amount of input. I also read the City of Flint Incident Action Plan for a State of Emergency which Chris received today (enclosed for those who wish to read it as well). I have distilled all of this into a two page plan that I want your edits and comments on and a one page organizational chart (now presented in the "governor's colors" according to our fine people in Communications). Spoiler alert—I made Captain Kelenske Vice Chair of the whole shebang (with the Colonel's blessing) so Harvey wouldn't get lonely.

Here is my ask of you:

1) Within 24 (sooner if you can) hours give me your comments and input

2) Tomorrow I will turn around a final document for Jarrod to review with the Governor either New Year's Day or Saturday

3) Ideally, Governor will approve Harvey sending it to Mayor Weaver Saturday (Sunday latest)

4) Mayor needs to know that this is what the Governor wishes to discuss at the meeting January 7 along with financial resources that we still need some estimates on cost from DHHS for

5) Meegan and Dave need to noodle how best to get out front with this and change the narrative focus on Monday's Genesee County declaration of emergency

I know we are all working way too hard for what should be a rest and recharge period but I do appreciate everyone's efforts and I know the Boss really does as well.

Regards,

Rich

<A Proposal to Create the Flint Water Inter.docx>

<IA Coord Com Org Chart.jpg>

<IAP Flint Water 2015-12-29.pdf>

From: Baird, Richard (GOV)
Sent: Wednesday, December 30, 2015 9:22 PM
To: Hollins, Harvey (GOV)
Subject: Re: Attorney Client Work Product (Draft), Privileged and Confidential

Please don't confuse engagement with leadership. We will guarantee engagement and partnership. We do not to syndicate leadership. If we need to talk real time let me know. We are in listen mode right now. But I can assure you, we are going to be held accountable and that means we get to retain leadership that ensures engagement AND action. Trust me on this amigo.

Sent from my Verizon Wireless 4G LTE DROID
On Dec 30, 2015 9:17 PM, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov> wrote:
I know...but the FWTAF is correct about having local engagement on this.

Best,
Harvey

On Dec 30, 2015, at 8:55 PM, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:

> He's right. We need local engagement but the politics and "other agenda" leave no room at the top for a local in my view. If we are going to be accountable for making this work without being political the only folk I trust are you and him.
>
> *Sent from my Verizon Wireless 4G LTE DROID*
> ---------- Forwarded message ----------
> From: "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov>
> Date: Dec 30, 2015 8:38 PM
> Subject: RE: Attorney Client Work Product (Draft), Privileged and Confidential
> To: "Creagh, Keith (DNR)" <creaghk@michigan.gov>,"Baird, Richard (GOV)" <bairdr@michigan.gov>
> Cc: "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>,"Clement, Elizabeth (GOV)" <clemente@michigan.gov>,"Hollins, Harvey (GOV)" <hollinsh@michigan.gov>,"Holland, Meegan (GOV)" <HollandM2@michigan.gov>,"Murray, David (GOV)" <MurrayD1@michigan.gov>,"Redford, James (GOV)" <RedfordJ@michigan.gov>,"Becker, Timothy (DHHS)" <beckert1@michigan.gov>,"Roberts, John (DTMB)" <RobertsJ9@michigan.gov>,"Etue, Kriste (MSP)" <EtueK@michigan.gov>,"Lyon, Nick (DHHS)" <LyonN2@michigan.gov>
>
> The concern I have with having a local as a vice chair is that this is being pushed to the state level to fix. Similar to an emergency that reaches the state level, we need to have one lead to move this forward and that should be at the state level. I have run numerous state and federal disasters in this manner. The locals are pushing the request for resources to the state so this is them saying they cannot do anything more and handing this off to the state. This is one of the areas I mentioned that needs to stay consistent with the Emergency Management Act and how we manage incidents.

Locals still have a voice in this (one way is that they are generating the requests for resources to assist).

Chris

From: Creagh, Keith (DNR)
Sent: Wednesday, December 30, 2015 8:15 PM
To: Baird, Richard (GOV)
Cc: Agen, Jarrod (GOV); Clement, Elizabeth (GOV); Hollins, Harvey (GOV); Kelenske, Chris (MSP); Holland, Meegan (GOV); Murray, David (GOV); Redford, James (GOV); Becker, Timothy (DHHS); Roberts, John (DTMB); Etue, Kriste (MSP); Lyon, Nick (DHHS)
Subject: Re: Attorney Client Work Product (Draft), Privileged and Confidential

Thanks for the opportunity to comment. I agree with Jim that it would be good to have a local entity at least be a co vice chair if possible. I would question statement of need wording and ask that it be reflect of the need for additional resources, integrated approach, additional professional expertise, enhanced communication,coordination and connection...you get the gist. Rich I would be happy to discuss at your convenience if appropriate. This would appear consistent with the request from Flint. Also in my limited (and I stress limited) discussions today I asked what success looked like and it included many of the suggested components. The individual I was speaking with wanted to further explore:

Increased funding/focus for Head start to get ahead of the curve

School nutrition and distribution systems (year around)

Fresh produce/local foods

Individual health screening

Infrastructure improvements

I know most if not all are identified in the outline but might want to further explain the nutrition component if the Docs in the group say it might be beneficial for those involved.

Thanks again-Keith

Sent from my iPad

On Dec 30, 2015, at 6:57 PM, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:

Team:

Today Harvey and I met with the Flint Water Task Force. It was a good meeting. People were pleased with the G's statement from the prior day. Captain Kelenske joined us and we had a very good discussion about moving forward with the creation of the Flint Water Crisis Agency Coordinating Committee (FIACC). Tim Becker and Captain Kelenske provided me with a fair amount of input. I also read the City of Flint Incident Action Plan for a State of Emergency which Chris received today (enclosed for those who wish to read it as well). I have distilled all of this into a two page plan that I want your edits and comments on and a one page organizational chart (now presented in the "governor's colors" according to our fine people in Communications). Spoiler alert—I made Captain Kelenske Vice Chair of the whole shebang (with the Colonel's blessing) so Harvey wouldn't get lonely.

Here is my ask of you:

1) Within 24 (sooner if you can) hours give me your comments and input

2) Tomorrow I will turn around a final document for Jarrod to review with the Governor either New Year's Day or Saturday

3) Ideally, Governor will approve Harvey sending it to Mayor Weaver Saturday (Sunday latest)

4) Mayor needs to know that this is what the Governor wishes to discuss at the meeting January 7 along with financial resources that we still need some estimates on cost from DHHS for

5) Meegan and Dave need to noodle how best to get out front with this and change the narrative focus on Monday's Genesee County declaration of emergency

I know we are all working way too hard for what should be a rest and recharge period but I do appreciate everyone's efforts and I know the Boss really does as well.

Regards,

Rich

<A Proposal to Create the Flint Water Inter.docx>

<IA Coord Com Org Chart.jpg>

<IAP Flint Water 2015-12-29.pdf>

From: Hollins, Harvey (GOV)
Sent: Saturday, January 02, 2016 2:46 PM
To: Wayne Workman (WorkmanW@michigan.gov)
Subject: Recommendations for the Revision of City of Flint EM Orders 3 and 20
Attachments: EM Order #3 City of Flint.docx; EM Order #20 City of Flint.docx

Wayne,
Per our conversation, I took the liberty of editing Orders 3 and 20. Please note the attached documents are still in tracking mode so you can see the edits. We would like to proceed fairly quick on revising these orders. The Governor meets with the Mayor on the 7th, and I would like to inform him about the progress of these revisions. When we last spoke, you also mentioned Order #10; however, that order deals only with city council meetings. If there are other things you need to amend in order to make this happen, I trust that you will do so. I am asking Stacie to schedule a call with you on Monday.

Thank you very much in advance. Have a great weekend.

Best,
Harvey

IT IS HEREBY ORDERED:

The City Administrator shall serve as the City's Chief Administrative Officer at the pleasure of the Mayor, City Council and Emergency Manager or Receivership Advisory Transition Board (hereinafter "Board"), in accordance with the provisions of her contact with the City of Flint dated February 23, 2015, and is charged with implementing executive and legislative directives and policies of the Mayor and City Council, subject to oversight of the Board, including strategic planning and budgeting, and with directing the management of day-to-day-administrative activities, and appointed staff officials in consultation with the Mayor.

Nothing in this order shall prohibit the Mayor, City Council, State or Federal entities from having direct and independent discussions with any representative of city government.

Consistent with the City Administrator Employment Agreement and Position Description, and subject to the approval and directives of the Board, the City Administrator shall have the following authority, duties and responsibilities notwithstanding any provision of the City Charter or Code of Ordinances:

1. Serve, advise and report to the Mayor with respect to the Mayor's executive functions, as set forth in Charter §4-101.

2. Serve and advise the Council with respect to the Council's legislative functions, as set forth in Charter §3-101.

3. Serve, advise and report to the Emergency Manager, as required by Public Act 436, so long as an Emergency Manager is in place.

4. Serve, advise and report to the Board, including:

    a. Advise and report to the Board as required by Public Act 436;
    b. Fully comply and assist the Board in meeting all duties assigned to it by the governor pursuant to MCL 141.1563(h);
    c. Provide all budgetary information requested by the Board;
    d. Serve as the primary contact between the Board and the City~~, including any department heads, officers, attorneys, accountants, employees, and any other contractors or consultants hired by the City to assist the City Administrator or the City in the discharge of powers, duties, functions, and responsibilities~~;
    e. Promptly and effectively communicate with the Board regarding any matter that may have a significant financial impact on the City.

5. Review and approve all financial and management information ~~Direct City department heads in carrying out the daily activities of the City, in the assembly of financial and management information; and in the gathering and assembly of pertinent data and information and recommendations~~ sent to~~for~~ the Mayor and City Council from City Department heads for~~'s~~ consideration in making executive determinations and policy.

6. Translate executive decisions and policies of the Mayor into administrative procedures for the cost effective and efficient operation of the City.

~~7. Implement legislative action of the City Council.~~

~~8.~~7. Monitor ~~and manage~~ the administrative inter-activity of the City departments so the delivery of public services represents an efficient, effective, and coordinated effort.

~~9.~~8. Interact with other governmental agencies as requested by the Mayor or City Council.

~~10. Prepare and review correspondence, reports, speeches, resolutions, and other material for public relations purposes. Answers citizen and official inquiries regarding City policy matters.~~

~~11.~~9. In ~~consultation~~ collaboration with the Mayor, direct the assembly of information and items for consideration by the Council, and provide them to the City Clerk for inclusion on the appropriate agendas.

10. Regularly consult with the Mayor in the development of actions with respect to the Mayor's executive functions, and with matters relating to the daily administrative functions of the City, including the evaluation of the performance of department heads, and the resolution of customer service issues.

~~12.~~11. Establish a new performance evaluation system of department heads to enhance employee engagement, high performance, accountability and succession planning.

~~13.~~12. Except to the extent prohibited by or in material conflict with applicable laws and authorities, the City Administrator or designee shall attend all meetings of the City Council, both public and closed, with the exception of those closed meetings devoted to the consideration of any action or lack of action on, or pursuant to, this Agreement, or any amendment thereto, or the City Administrators evaluation. The City Administrator shall advise members, and make recommendations consistent with policy objectives, strategic planning and administrative activities.

~~14.~~13. Attend public meetings and events; as directed by the Mayor, give presentations and information to the public regarding matters of City business.

14. Manage, ~~and~~ oversee and provide an annual written performance evaluation for the following~~all~~ department heads and the ~~s,~~ division heads, managers and non-elected City employees under them;
    a. Chief of Police;
    b. Finance Director;

Formatted: Normal, Automatically adjust right indent when grid is defined, No bullets or numbering, Adjust space between Latin and Asian text, Adjust space between Asian text and numbers

Formatted: Font: (Default) Arial, 12 pt

Formatted: Normal

Formatted: Font: (Default) Arial, 12 pt

Formatted: Indent: Left: 0.5", Automatically adjust right indent when grid is defined, Space After: 8 pt, Line spacing: Multiple 1.08 li, No bullets or numbering, Adjust space between Latin and Asian text, Adjust space between Asian text and numbers

Formatted: Font: (Default) Arial, 12 pt

Formatted

~~15.~~c. Planning and Development Director.~~ This shall include an annual written performance evaluation of all department heads, including those identified in paragraphs 15, 16 and 17.~~

~~16.~~ Recommend, subject to the Mayor's approval, the following appointments:
15.

~~a.~~ Chief of Police;
~~b.~~a. ~~Fire Chief~~
~~c.~~b. Director of Finance;
c. Planning & Development Director.

16. Approve all candidates for the following appointments:
a. Fire Chief;
b. Director of the Department of Public Works;
c. Chief Legal Officer;
d. Chief Personal Officer.~~;~~
~~e. Director of Department of Public Works;~~
~~f. Chief Legal Officer;~~
~~g. Chief Personnel Officer.~~
~~h.~~

17. Recommend, subject to the Council's approval, the following appointments: City Clerk and City Auditor.

18. With the exception of those positions set forth in paragraphs 15,16 and 17, appoint all department heads, division heads and management positions, including the City Treasurer, Purchasing Director and the City Assessor, subject to any collective bargaining agreement(s) that may be applicable.

19. Ensure that all appointment processes, whether by the Mayor, Council or City Administrator, are open, competitive, and administered by the Human Resources Department or a qualified recruitment firm, with selection of the most qualified candidate to be based on defined education, experience, and professional standards appropriate to the position.

20. All appointments made pursuant to paragraphs 15~~, 16~~ and 17 shall serve at the pleasure of the City Administrator based on performance review.

21. Review current and potential litigation and labor disputes with the City Attorney and Mayor, and as needed the Board, and have complete decision making authority on behalf of the City, on all matters of litigation and labor disputes, including the ability to settle or initiate lawsuits and resolve labor disputes. The Mayor and City Council shall be consulted on such matters prior to implementation.

22. Negotiate, in consultation with the Mayor, ~~-~~all collective bargaining agreements on behalf of the City.

23. Work collaboratively with the City Council, the Mayor, other City or State officials and the Board to successfully transition to the termination of receivership for the

Formatted: Font: (Default) Arial, 12 pt

Formatted: Font: (Default) Arial, 12 pt

Formatted: Don't adjust right indent when grid is defined, Space After: 0 pt, Line spacing: single, Numbered + Level: 1 + Numbering Style: 1, 2, 3, … + Start at: 1 + Alignment: Left + Aligned at: 0.25" + Indent at: 0.5", Don't adjust space between Latin and Asian text, Don't adjust space between Asian text and numbers

Formatted: Font: (Default) Arial, 12 pt

Formatted: Indent: Left: 0.5", No bullets or numbering

Formatted

Formatted: Indent: Left: 1", No bullets or numbering

City by supporting, implementing, and maintaining the financial and operating plans and the reforms instituted by the City's emergency managers, including but not limited to, the financial and operating plan for the city under Section II Act 436, and by providing appropriate training and explanation of City operations.

~~24. Serve as an official City representative before the Board, State departments and agencies, and the Michigan Legislature, with assistance from the Finance Director and the Mayor.~~

~~25.~~24. Be responsible for and vested with full authority necessary to effectively direct and supervise the day-to-day operations of the City by seeing that all laws and ordinances are faithfully executed, preparing the proposed annual budget as recommended by the Finance Director and any accounting firm retained by the City, and supervising the expenditures of all sums appropriated to and the attainment of all objectives established for departments of the executive branch of the City and working collaboratively with all officers and officials to effectively execute daily operations.

~~26.~~25. Ensure that a rolling six-year capital improvement plan is annually prepared in accordance with applicable law and the City's Code of Ordinances. Coordinate with the Mayor on the annual preparation of a rolling two-year budget

~~27.~~26. Review, approve and co-sign with the Mayor all contracts on behalf of and entered into by the City and modify or terminate any current contract with the City.

~~28.~~27. Approve all financial policies, City policies and procedures, job descriptions and personnel policies for the City, after consultation with the Mayor and City Council.

~~29.~~28. Designate check signers on all City bank accounts.

~~30.~~29. Refer City Council communications to the appropriate City employee or investigate such matter(s) and inform the City Council of the results of such efforts. Provided, however, when responding to City Council referrals, the City Administrator shall have discretion to utilize the personnel and resources the City Administrator deems reasonable and so as to avoid unnecessary interruption of services or incurrence of unnecessary costs.

~~31.~~30. Any investigation by the City Council, as contemplated by Charter §3-205 and §3-206, including the power to subpoena witnesses, shall be subject to the City Administrator's review and approval, so as to avoid unnecessary interruption of services or incurrence of unnecessary costs.

31. In the event the Mayor or Council fails to perform any duty or take any required action after having been afforded a reasonable opportunity to do so, the City Administrator may perform the duty or function of the Mayor or Council upon approval of the Board.

Comment [HH1]: This is too broad and needs to be revised.

Formatted: Font: (Default) Arial, 12 pt

Formatted: Indent: Left: 0.5", Automatically adjust right indent when grid is defined, Space After: 8 pt, Line spacing: Multiple 1.08 li, No bullets or numbering, Adjust space between Latin and Asian text, Adjust space between Asian text and numbers

This Order may be amended, modified, repealed or terminated by any subsequent Order issued by the Emergency Manager.

Dated:

Formatted: Normal

EMERGENCY MANAGER

CITY OF FLINT

GENESEE COUNTY, MICHIGAN

ORDER NO.20

Pursuant to Public Act 436, the Emergency Manager has broad powers in receivership to rectify the financial emergency and to assure the fiscal accountability of the City of Flint and its capacity to provide or cause to be provided necessary services essential to the public health, safety and welfare; and

Pursuant to Public Act 436, the Emergency Manager acts in place of local officials, specifically the Mayor and City Council, unless the Emergency Manager delegates specific authority; and

Pursuant to Public Act 436, the Emergency Manager has broad power to manage the local government, and may issue orders to elected and appointed officials necessary to accomplish the purpose of the Act; and

Pursuant to Public Act 436, the Emergency Manager is issuing this order to rectify the Financial Emergency and allocate responsibilities in the event of the appointment of a Receivership Transition Advisory Board:

1. The purpose of PA 436, which became effective on March 28, 2013, is to safeguard and ensure the financial accountability of local units of government; to preserve the capacity of local units of government to provide or cause to be provided necessary services essential to the public health, safety, and welfare; to provide for review, management, planning, and control of the financial operation of local units of government and the provision of services by local units of government; to authorize a declaration of the existence of a financial emergency within local units of government; to prescribe remedial measures to address a financial emergency within local units of government; to provide for the appointment and to prescribe the powers and duties of emergency managers for local units of government; and to provide for the termination of a financial emergency within a local unit of government.

2. Section 23 of PA 436 authorizes the Governor, before removing a local government from receivership, to appoint a Receivership Transition Advisory Board (Board) to monitor the affairs of the local government until the receivership is terminated.

3. By letter dated April 28, 2015, I recommended that Governor Snyder appoint a Receivership Transition Advisory Board for the City.

4. In the event that the Governor appoints a Receivership Transition Advisory Board (Board), this Order is issued to facilitate the effective and efficient operation of the City for the duration of the period that the Board is monitoring the affairs of the City and the City remains in receivership. City officials shall be governed by and perform the duties and functions set forth as follows:

a) The Mayor and City Council shall implement all of the following financial best practices within the City and do all of the following:
    1) Safeguard the financial stability of the City by seeking out, approving, and implementing cost-saving measures recommended by the City Administrator, the Board, or both.

    2) Work with the City Administrator and other City or State officials to successfully transition the City from receivership and eliminate financial stress within the City.

3) Ensure that the City makes annually required contributions to the City's pension funds. Any changes to the City's pension plans, including an annual contribution which is less than is actuarially determined, may only be made with the approval of the Board and the State Treasurer.

4) The City Council shall not interfere with the employees of the City. The City Administrator and Mayor shall be the authorized management contact for all employees.

Comment [HH1]: Change this to accommodate the Mayor's expanded responsibilities.

5) Fill within 120 days and with the approval of the Board, any vacancy in the Office of City Administrator with an individual that meets qualifications outlined in the job position description and established by the Board. Upon such a vacancy the City shall engage a Board-approved and professionally recognized search firm to identify and locate qualified candidates. Without the approval of the Board, neither the City Council nor the Mayor may terminate the City Administrator, or any other City officer or employee.

6) Shall observe the budgetary process as detailed in ordinance. Any budget adoption or subsequent amendment must be submitted for Board approval prior to implementation. The City shall comply with the two-year budget, which the Emergency Manager adopted pursuant to §21(1) of PA 436; however the two-year budget may be amended by approval of the Board and State Treasurer. Proposed budget amendments must be submitted to the Board at the next Board meeting that follows the event or discovery that necessitates the amendment.

7) Adopt ordinances and resolutions not inconsistent with this Order and Michigan law. Ordinances and resolutions are subject to approval of the Board before taking effect, except as otherwise directed by the Board, including but not limited to, ordinances or resolutions providing for the appointment or reappointment of individuals to City offices.

8) Issue or otherwise incur debt with the approval of the Board. As used in this paragraph, "debt" means that term as defined under the Revised Municipal Finance Act, 2001 PA 34, MCL 141.2101 to 141.2821.

9) Post City Council meeting agendas on the City's website no less than 24 hours prior to each meeting.

10) Document all of the City's outstanding liabilities, including payables and debt obligations. The City shall provide a report on the liabilities to the Board upon request.

11) Adopt or alter policies and procedures for conducting the operations of the City Council, as needed, subject to approval by the Board.

12) Verify the qualifications and eligibility of any individual being considered for appointment or reappointment to the City Council or any other City board, commission,

or committee prior to said appointment or reappointment. An individual not eligible for appointment or reappointment shall not be approved.

13) Review not less than annually an inventory of City assets.

14) Review not less than annually a report on business licenses issued by the City.

15) Review licensing fees and all other City fees on an annual basis and make recommendations for any adjustments, subject to approval by the Board.

16) Annually review the status of tax collections and outstanding property taxes owed to the City and report findings to the Board. The City must maintain adequate assessment records in compliance with state statute, State Tax Commission rules and guidelines, and implement any corrective actions necessary. The City shall implement a full reappraisal within a time frame agreed to with the State Tax Commission.

17) City owned parcels shall be appraised prior to sale and sold by a sealed bid process absent approval by the Board to sell by another method.

18) Review election precinct sites and approve expenses associated with elections, consistent with the budget then in effect for the City.

19) Review and act by resolution on proposed economic or redevelopment projects recommended for approval by the Mayor and City Administrator. In the event that the City Council fails to approve such a recommended action, the Council shall record the rational for its disapproval in writing and submit this document to the Board within 14 days of the council meeting in which the economic or redevelopment project was voted upon. The Board shall then evaluate the ~~City Administrator's~~ recommendation for the economic or redevelopment project and the City Council's rational against it. The Board shall select the course of action which, in the Board's sole discretion, best serves the interests of the citizens of the City of Flint. If the Board endorses the proposed economic or redevelopment project, the City shall implement it promptly without Council approval.

Comment [HH2]: This section should mirror the related language governing the City of Detroit regarding economic or redevelopment projects and the Financial Review Commission's role

20) Review and act by resolution on proposed intergovernmental agreements or service consolidation plans recommended by the City Administrator. In the event that the City Council fails to approve such a recommended action, the Council shall develop and submit an alternate proposal which achieves equal or greater savings to the Board within 14 days of the council meeting in which the proposed intergovernmental agreements or service consolidation plan was voted upon. The Board shall then evaluate the City Administrator's recommendation and the City Council's proposal and select the course of action which best serves the interests of the citizens of the City of Flint. That proposal shall be implemented without Council approval.

21) Comply with local ordinance concerning the purchase of and contract for goods and services.

Formatted: Font: (Default) Times New Roman

Formatted: Indent: Left: 0.5", Space After: 8 pt, Line spacing: Multiple 1.08 li, No bullets or numbering

~~21)~~22) Approve any changes to the job description of the City Administrator, any contract with the City Administrator, and any policies or procedures applicable to the City Administrator with the approval of the Board.

(b) The City Administrator shall implement all of the following financial best practices within the City and do all of the following:

1) Fulfill the responsibilities and duties of Emergency Manager Order Number 3, dated April 10, 2015.

2) Be responsible for effectively overseeing the day-to-day operations of the City, ~~consistent with~~ as defined in Emergency Manager Order 3~~s~~.

3) Be the sole authority concerning modifications to compensation, including appointed officers and other City employees. This provision does not apply for elected officers within the City.

4) Notwithstanding the provisions of paragraph 20 of Emergency Manager Order No. 3 (issued April 10, 2015), termination of any department head shall require the approval of the Board.

5) Negotiate in consultation with the Mayor, and recommend approval to the Board proposed collective bargaining agreements, subject to limitations on collective bargaining under MCL 141.1567(3).

6) Submit regular reports to the Mayor, City Council, and Board regarding the overall operation and direction of the City and regularly report on his or her activities to the Mayor, the City Council, and the Board.

7) Serve as the official City representative to the Board on behalf of the Mayor and the City Council.

8) Work with the City Council, the Mayor, and other City or State officials to successfully transition the City from receivership and eliminate financial stress within the City.

9) Ensure that the City is in full compliance with Public Act 436, all Emergency Manager Orders, local ordinances, and applicable state and federal laws.

10) The City Administrator may be removed only in accordance with the provisions set forth by Emergency Manager Orders and the City Administrator's Employment Agreement. Complaints or grievances against the City Administrator from the Mayor or City Council shall be provided to the City Administrator in writing. The City Administrator may not be terminated, suspended, or placed on administrative leave without the approval of the Board.

11) Shall observe and comply with the Purchasing Ordinance, Ordinance #3865 However in the event that the Board documents abuse of the process outlined in ordinance, the Board

may resolve to review all purchases over $15,000.00. If this occurs, Board approval is required in addition to approvals required by ordinance.

12) Provide to the Mayor, City Council, and the Board by the 20th calendar day following the end of each month, or when directed by the Board, monthly budget-to-actual reports, balance sheets, and a cash balances report by fund and by bank account, as prepared by the Finance Director. These reports are to be reviewed monthly with the Mayor. Additionally, if requested by the Board, monthly reports shall be submitted to the Board which detail all of the overtime expenses that the City has incurred during the previous 30 days.

13) Provide the Board with a plan to address and resolve all deficiencies reported in the most recent audited financial statements.

14) Serve as the primary contact between the ~~Mayor,~~ City Council, and the employees of the City.

Comment [HH3]: Needs to change to reflect Mayor's repsonsiblilities.

15) Faithfully execute the duties of the City Administrator as defined in the Emergency Manager Order 3.

(c) The Mayor, City Administrator, and City Council shall implement all of the following financial best practices within the City and do all of the following:

1) Comply with all financial policies and ordinances, including but not limited to, the development and update of the Strategic Plan, Ordinance #3854; Development and Adoption of Biennial Budgets and Three-Year Financial Forecasts, Ordinance #3855; Amendment of Adopted Budgets, Ordinance #3856; Fund Balance Policy, Ordinance #3851; Budget Stabilization Fund, Ordinance #3853; Other Post-Employment Benefits, Ordinance #3852; and the Purchasing Ordinance, Ordinance #3865. Additionally, continue to adopt, subject to Board approval, any policies and procedures necessary to implement best financial practices by the City.

2) Work with the Board to successfully transition the termination of receivership for the City by supporting, implementing, and maintaining the financial and operating plan and the reforms instituted by the City's emergency managers, including but not limited to, the financial and operating plan for the City and by providing appropriate training and explanation of City operations.

3) Provide to the Board, in a timely manner, any documents, records, or other information requested by the Board or its staff. Appear before the Board to provide testimony, documents, records or other information when requested by the Board or its staff.

4) Per previously adopted Orders, continue to develop and maintain a rolling five-year financial operations plan, in coordination with the City Administrator and City Finance Director, and ensure that the financial operations plan is prepared in accordance with applicable law. The five-year financial operations plan and any subsequent amendments are subject to Board approval.

5) Per previously adopted Orders, continue to develop and maintain a rolling six year Capital Improvements Plan (CIP), in coordination with the City Planning Commission and ensure that the CIP is prepared annually in accordance with applicable law. The CIP, and any subsequent amendments, are subject to approval by the Board.

6) Annually budget for and receive training on the Open Meetings Act, effective meeting management and parliamentary procedures, council-manager relations, analyzing financial statements, and reports from professionally recognized organizations. The City will pay for training costs. Budget for and ensure that all planning commissioners, zoning board of appeals members, and members of the board of review annually receive proper training to assist them in the fulfillment of their roles and responsibilities and remove members who fail to receive adequate training.

7) Annually review, upon preparation and adoption of the budget, all fees and make recommendations subject to approval of the Board. Should the City Council fail to adopt a budget by the first (1st) Monday in June, fail to approve a proposed budget amendment in a timely manner, or fail to ratify a fee schedule recommended by the City Administrator, the City Administrator shall present such budget, budget amendment, or fee schedule to the Board for approval, and the Board may approve the budget, budget amendment, or fee schedule on behalf of the City.

8) Continue to implement any steps necessary to successfully complete the district court consolidation process.

9) Take all steps necessary to successfully establish, develop, and complete the Karegnondi Water Authority (KWA) project.

10) Take action at the same meeting on all items duly submitted by the City Administrator to the City Council agenda unless the City Administrator agrees that the items should be postponed to the next subsequent meeting.

11) All City elected officials, officers, and employees shall abide by all State regulations and statutes.

(d) Limitations upon the City Council, Mayor, and the City Administrator:

1) The City Council, Mayor, or City Administrator shall not revise any Order that was implemented by the Emergency Manager during his or her term prior to one year after the termination of receivership. Amendments to Emergency Manager Orders may be made pursuant to the procedures identified in Section 5.

2) There shall be no funding for the Office of the Ombudsman or the Civil Service Commission.

5. Except as otherwise provided in this paragraph, the power to rescind or amend any order issued by the Emergency Manager shall rest solely with the Board, with approval by the State Treasurer, to the extent permitted under PA 436. This Order may be amended, modified, repealed, or terminated by a subsequent Order issued by an Emergency Manager.

6. This Order amends all previous Emergency Manager Orders to the extent that they are inconsistent.

7. This Order shall have immediate effect.

From: Hollins, Harvey (GOV)
Sent: Saturday, January 02, 2016 8:17 PM
To: Workman, Wayne (TREASURY)
Subject: RE: Recommendations for the Revision of City of Flint EM Orders 3 and 20
Attachments: EM Order #3 City of Flint.docx; EM Order #20 City of Flint.docx

Ill resend. If you have Microsoft Word on your IPad you should see it in tracking mode.

From: Workman, Wayne (TREASURY)
Sent: Saturday, January 02, 2016 3:14 PM
To: Hollins, Harvey (GOV) <hollinsh@michigan.gov>
Subject: Re: Recommendations for the Revision of City of Flint EM Orders 3 and 20

I can't see any changes on my IPad but I assume they will show up on my computer on Monday.

Sent from my iPad

On Jan 2, 2016, at 2:46 PM, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov> wrote:

> Wayne,
> Per our conversation, I took the liberty of editing Orders 3 and 20. Please note the attached documents are still in tracking mode so you can see the edits. We would like to proceed fairly quick on revising these orders. The Governor meets with the Mayor on the 7th, and I would like to inform him about the progress of these revisions. When we last spoke, you also mentioned Order #10; however, that order deals only with city council meetings. If there are other things you need to amend in order to make this happen, I trust that you will do so. I am asking Stacie to schedule a call with you on Monday.
>
> Thank you very much in advance. Have a great weekend.
>
> Best,
> Harvey
>
> <EM Order #3 City of Flint.docx>
>
> <EM Order #20 City of Flint.docx>

IT IS HEREBY ORDERED:

The City Administrator shall serve as the City's Chief Administrative Officer at the pleasure of the Mayor, City Council and Emergency Manager or Receivership Advisory Transition Board (hereinafter "Board"), in accordance with the provisions of her contact with the City of Flint dated February 23, 2015, and is charged with implementing executive and legislative directives and policies of the Mayor and City Council, subject to oversight of the Board, including strategic planning and budgeting, and with directing the management of day-to-day-administrative activities, and appointed staff officials in consultation with the Mayor.

Nothing in this order shall prohibit the Mayor, City Council, State or Federal entities from having direct and independent discussions with any representative of city government.

Consistent with the City Administrator Employment Agreement and Position Description, and subject to the approval and directives of the Board, the City Administrator shall have the following authority, duties and responsibilities notwithstanding any provision of the City Charter or Code of Ordinances:

1. Serve, advise and report to the Mayor with respect to the Mayor's executive functions, as set forth in Charter §4-101.

2. Serve and advise the Council with respect to the Council's legislative functions, as set forth in Charter §3-101.

3. Serve, advise and report to the Emergency Manager, as required by Public Act 436, so long as an Emergency Manager is in place.

4. Serve, advise and report to the Board, including:

    a. Advise and report to the Board as required by Public Act 436;
    b. Fully comply and assist the Board in meeting all duties assigned to it by the governor pursuant to MCL 141.1563(h);
    c. Provide all budgetary information requested by the Board;
    d. Serve as the primary contact between the Board and the City~~, including any department heads, officers, attorneys, accountants, employees, and any other contractors or consultants hired by the City to assist the City Administrator or the City in the discharge of powers, duties, functions, and responsibilities~~;
    e. Promptly and effectively communicate with the Board regarding any matter that may have a significant financial impact on the City.

5. Review and approve all financial and management information ~~Direct City department heads in carrying out the daily activities of the City, in the assembly of financial and management information; and in the gathering and assembly of pertinent data and information and recommendations~~ sent to~~for~~ the Mayor and City Council from City Department heads for~~'s~~ consideration in making executive determinations and policy.

6. Translate executive decisions and policies of the Mayor into administrative procedures for the cost effective and efficient operation of the City.

~~7. Implement legislative action of the City Council.~~

~~8.~~7. Monitor ~~and manage~~ the administrative inter-activity of the City departments so the delivery of public services represents an efficient, effective, and coordinated effort.

~~9.~~8. Interact with other governmental agencies as requested by the Mayor or City Council.

~~10. Prepare and review correspondence, reports, speeches, resolutions, and other material for public relations purposes. Answers citizen and official inquiries regarding City policy matters.~~

~~11.~~9. In ~~consultation~~ collaboration with the Mayor, direct the assembly of information and items for consideration by the Council, and provide them to the City Clerk for inclusion on the appropriate agendas.

10. Regularly consult with the Mayor in the development of actions with respect to the Mayor's executive functions, and with matters relating to the daily administrative functions of the City, including the evaluation of the performance of department heads, and the resolution of customer service issues.

~~12.~~11. Establish a new performance evaluation system of department heads to enhance employee engagement, high performance, accountability and succession planning.

~~13.~~12. Except to the extent prohibited by or in material conflict with applicable laws and authorities, the City Administrator or designee shall attend all meetings of the City Council, both public and closed, with the exception of those closed meetings devoted to the consideration of any action or lack of action on, or pursuant to, this Agreement, or any amendment thereto, or the City Administrators evaluation. The City Administrator shall advise members, and make recommendations consistent with policy objectives, strategic planning and administrative activities.

~~14.~~13. Attend public meetings and events; as directed by the Mayor, give presentations and information to the public regarding matters of City business.

14. Manage, ~~and~~ oversee and provide an annual written performance evaluation for the following~~all~~ department heads and the ~~s,~~ division heads, managers and non-elected City employees under them;
    a. Chief of Police;
    b. Finance Director;

Formatted: Normal, Automatically adjust right indent when grid is defined, No bullets or numbering, Adjust space between Latin and Asian text, Adjust space between Asian text and numbers

Formatted: Font: (Default) Arial, 12 pt

Formatted: Normal

Formatted: Font: (Default) Arial, 12 pt

Formatted: Indent: Left: 0.5", Automatically adjust right indent when grid is defined, Space After: 8 pt, Line spacing: Multiple 1.08 li, No bullets or numbering, Adjust space between Latin and Asian text, Adjust space between Asian text and numbers

Formatted: Font: (Default) Arial, 12 pt

Formatted

~~15.~~c. Planning and Development Director.~~ This shall include an annual written performance evaluation of all department heads, including those identified in paragraphs 15, 16 and 17.~~

~~16.~~ Recommend, subject to the Mayor's approval, the following appointments:
15.

~~a.~~ Chief of Police;
~~b.~~a. ~~Fire Chief~~
~~c.~~b. Director of Finance;
c. Planning & Development Director.

16. Approve all candidates for the following appointments:
a. Fire Chief;
b. Director of the Department of Public Works;
c. Chief Legal Officer;
d. Chief Personal Officer.~~;~~
~~e. Director of Department of Public Works;~~
~~f. Chief Legal Officer;~~
~~g. Chief Personnel Officer.~~
~~h.~~

17. Recommend, subject to the Council's approval, the following appointments: City Clerk and City Auditor.

18. With the exception of those positions set forth in paragraphs 15,16 and 17, appoint all department heads, division heads and management positions, including the City Treasurer, Purchasing Director and the City Assessor, subject to any collective bargaining agreement(s) that may be applicable.

19. Ensure that all appointment processes, whether by the Mayor, Council or City Administrator, are open, competitive, and administered by the Human Resources Department or a qualified recruitment firm, with selection of the most qualified candidate to be based on defined education, experience, and professional standards appropriate to the position.

20. All appointments made pursuant to paragraphs 15~~, 16~~ and 17 shall serve at the pleasure of the City Administrator based on performance review.

21. Review current and potential litigation and labor disputes with the City Attorney and Mayor, and as needed the Board, and have complete decision making authority on behalf of the City, on all matters of litigation and labor disputes, including the ability to settle or initiate lawsuits and resolve labor disputes. The Mayor and City Council shall be consulted on such matters prior to implementation.

22. Negotiate, in consultation with the Mayor, ~~-~~all collective bargaining agreements on behalf of the City.

23. Work collaboratively with the City Council, the Mayor, other City or State officials and the Board to successfully transition to the termination of receivership for the

Formatted: Font: (Default) Arial, 12 pt

Formatted: Font: (Default) Arial, 12 pt

Formatted: Don't adjust right indent when grid is defined, Space After: 0 pt, Line spacing: single, Numbered + Level: 1 + Numbering Style: 1, 2, 3, … + Start at: 1 + Alignment: Left + Aligned at: 0.25" + Indent at: 0.5", Don't adjust space between Latin and Asian text, Don't adjust space between Asian text and numbers

Formatted: Font: (Default) Arial, 12 pt

Formatted: Indent: Left: 0.5", No bullets or numbering

Formatted

Formatted: Indent: Left: 1", No bullets or numbering

City by supporting, implementing, and maintaining the financial and operating plans and the reforms instituted by the City's emergency managers, including but not limited to, the financial and operating plan for the city under Section II Act 436, and by providing appropriate training and explanation of City operations.

~~24. Serve as an official City representative before the Board, State departments and agencies, and the Michigan Legislature, with assistance from the Finance Director and the Mayor.~~

~~25.~~24. Be responsible for and vested with full authority necessary to effectively direct and supervise the day-to-day operations of the City by seeing that all laws and ordinances are faithfully executed, preparing the proposed annual budget as recommended by the Finance Director and any accounting firm retained by the City, and supervising the expenditures of all sums appropriated to and the attainment of all objectives established for departments of the executive branch of the City and working collaboratively with all officers and officials to effectively execute daily operations.

~~26.~~25. Ensure that a rolling six-year capital improvement plan is annually prepared in accordance with applicable law and the City's Code of Ordinances. Coordinate with the Mayor on the annual preparation of a rolling two-year budget

~~27.~~26. Review, approve and co-sign with the Mayor all contracts on behalf of and entered into by the City and modify or terminate any current contract with the City.

~~28.~~27. Approve all financial policies, City policies and procedures, job descriptions and personnel policies for the City, after consultation with the Mayor and City Council.

~~29.~~28. Designate check signers on all City bank accounts.

~~30.~~29. Refer City Council communications to the appropriate City employee or investigate such matter(s) and inform the City Council of the results of such efforts. Provided, however, when responding to City Council referrals, the City Administrator shall have discretion to utilize the personnel and resources the City Administrator deems reasonable and so as to avoid unnecessary interruption of services or incurrence of unnecessary costs.

~~31.~~30. Any investigation by the City Council, as contemplated by Charter §3-205 and §3-206, including the power to subpoena witnesses, shall be subject to the City Administrator's review and approval, so as to avoid unnecessary interruption of services or incurrence of unnecessary costs.

31. In the event the Mayor or Council fails to perform any duty or take any required action after having been afforded a reasonable opportunity to do so, the City Administrator may perform the duty or function of the Mayor or Council upon approval of the Board.

Comment [HH1]: This is too broad and needs to be revised.

Formatted: Font: (Default) Arial, 12 pt

Formatted: Indent: Left: 0.5", Automatically adjust right indent when grid is defined, Space After: 8 pt, Line spacing: Multiple 1.08 li, No bullets or numbering, Adjust space between Latin and Asian text, Adjust space between Asian text and numbers

This Order may be amended, modified, repealed or terminated by any subsequent Order issued by the Emergency Manager.

Dated:

Formatted: Normal

EMERGENCY MANAGER
CITY OF FLINT
GENESEE COUNTY, MICHIGAN
ORDER NO.20

Pursuant to Public Act 436, the Emergency Manager has broad powers in receivership to rectify the financial emergency and to assure the fiscal accountability of the City of Flint and its capacity to provide or cause to be provided necessary services essential to the public health, safety and welfare; and

Pursuant to Public Act 436, the Emergency Manager acts in place of local officials, specifically the Mayor and City Council, unless the Emergency Manager delegates specific authority; and

Pursuant to Public Act 436, the Emergency Manager has broad power to manage the local government, and may issue orders to elected and appointed officials necessary to accomplish the purpose of the Act; and

Pursuant to Public Act 436, the Emergency Manager is issuing this order to rectify the Financial Emergency and allocate responsibilities in the event of the appointment of a Receivership Transition Advisory Board:

1. The purpose of PA 436, which became effective on March 28, 2013, is to safeguard and ensure the financial accountability of local units of government; to preserve the capacity of local units of government to provide or cause to be provided necessary services essential to the public health, safety, and welfare; to provide for review, management, planning, and control of the financial operation of local units of government and the provision of services by local units of government; to authorize a declaration of the existence of a financial emergency within local units of government; to prescribe remedial measures to address a financial emergency within local units of government; to provide for the appointment and to prescribe the powers and duties of emergency managers for local units of government; and to provide for the termination of a financial emergency within a local unit of government.

2. Section 23 of PA 436 authorizes the Governor, before removing a local government from receivership, to appoint a Receivership Transition Advisory Board (Board) to monitor the affairs of the local government until the receivership is terminated.

3. By letter dated April 28, 2015, I recommended that Governor Snyder appoint a Receivership Transition Advisory Board for the City.

4. In the event that the Governor appoints a Receivership Transition Advisory Board (Board), this Order is issued to facilitate the effective and efficient operation of the City for the duration of the period that the Board is monitoring the affairs of the City and the City remains in receivership. City officials shall be governed by and perform the duties and functions set forth as follows:

a) The Mayor and City Council shall implement all of the following financial best practices within the City and do all of the following:
    1) Safeguard the financial stability of the City by seeking out, approving, and implementing cost-saving measures recommended by the City Administrator, the Board, or both.

    2) Work with the City Administrator and other City or State officials to successfully transition the City from receivership and eliminate financial stress within the City.

3) Ensure that the City makes annually required contributions to the City's pension funds. Any changes to the City's pension plans, including an annual contribution which is less than is actuarially determined, may only be made with the approval of the Board and the State Treasurer.

4) The City Council shall not interfere with the employees of the City. The City Administrator and Mayor shall be the authorized management contact for all employees.

Comment [HH1]: Change this to accommodate the Mayor's expanded responsibilities.

5) Fill within 120 days and with the approval of the Board, any vacancy in the Office of City Administrator with an individual that meets qualifications outlined in the job position description and established by the Board. Upon such a vacancy the City shall engage a Board-approved and professionally recognized search firm to identify and locate qualified candidates. Without the approval of the Board, neither the City Council nor the Mayor may terminate the City Administrator, or any other City officer or employee.

6) Shall observe the budgetary process as detailed in ordinance. Any budget adoption or subsequent amendment must be submitted for Board approval prior to implementation. The City shall comply with the two-year budget, which the Emergency Manager adopted pursuant to §21(1) of PA 436; however the two-year budget may be amended by approval of the Board and State Treasurer. Proposed budget amendments must be submitted to the Board at the next Board meeting that follows the event or discovery that necessitates the amendment.

7) Adopt ordinances and resolutions not inconsistent with this Order and Michigan law. Ordinances and resolutions are subject to approval of the Board before taking effect, except as otherwise directed by the Board, including but not limited to, ordinances or resolutions providing for the appointment or reappointment of individuals to City offices.

8) Issue or otherwise incur debt with the approval of the Board. As used in this paragraph, "debt" means that term as defined under the Revised Municipal Finance Act, 2001 PA 34, MCL 141.2101 to 141.2821.

9) Post City Council meeting agendas on the City's website no less than 24 hours prior to each meeting.

10) Document all of the City's outstanding liabilities, including payables and debt obligations. The City shall provide a report on the liabilities to the Board upon request.

11) Adopt or alter policies and procedures for conducting the operations of the City Council, as needed, subject to approval by the Board.

12) Verify the qualifications and eligibility of any individual being considered for appointment or reappointment to the City Council or any other City board, commission, or committee prior to said appointment or reappointment. An individual not eligible for appointment or reappointment shall not be approved.

13) Review not less than annually an inventory of City assets.

14) Review not less than annually a report on business licenses issued by the City.

15) Review licensing fees and all other City fees on an annual basis and make recommendations for any adjustments, subject to approval by the Board.

16) Annually review the status of tax collections and outstanding property taxes owed to the City and report findings to the Board. The City must maintain adequate assessment records in compliance with state statute, State Tax Commission rules and guidelines, and implement any corrective actions necessary. The City shall implement a full reappraisal within a time frame agreed to with the State Tax Commission.

17) City owned parcels shall be appraised prior to sale and sold by a sealed bid process absent approval by the Board to sell by another method.

18) Review election precinct sites and approve expenses associated with elections, consistent with the budget then in effect for the City.

19) Review and act by resolution on proposed economic or redevelopment projects recommended for approval by the Mayor and City Administrator. In the event that the City Council fails to approve such a recommended action, the Council shall record the rational for its disapproval in writing and submit this document to the Board within 14 days of the council meeting in which the economic or redevelopment project was voted upon. The Board shall then evaluate the ~~City Administrator's~~ recommendation for the economic or redevelopment project and the City Council's rational against it. The Board shall select the course of action which, in the Board's sole discretion, best serves the interests of the citizens of the City of Flint. If the Board endorses the proposed economic or redevelopment project, the City shall implement it promptly without Council approval.

Comment [HH2]: This section should mirror the related language governing the City of Detroit regarding economic or redevelopment projects and the Financial Review Commission's role

20) Review and act by resolution on proposed intergovernmental agreements or service consolidation plans recommended by the City Administrator. In the event that the City Council fails to approve such a recommended action, the Council shall develop and submit an alternate proposal which achieves equal or greater savings to the Board within 14 days of the council meeting in which the proposed intergovernmental agreements or service consolidation plan was voted upon. The Board shall then evaluate the City Administrator's recommendation and the City Council's proposal and select the course of action which best serves the interests of the citizens of the City of Flint. That proposal shall be implemented without Council approval.

21) Comply with local ordinance concerning the purchase of and contract for goods and services.

Formatted: Font: (Default) Times New Roman

~~21)~~22) Approve any changes to the job description of the City Administrator, any contract with the City Administrator, and any policies or procedures applicable to the City Administrator with the approval of the Board.

Formatted: Indent: Left: 0.5", Space After: 8 pt, Line spacing: Multiple 1.08 li, No bullets or numbering

(b) The City Administrator shall implement all of the following financial best practices within the City and do all of the following:

1) Fulfill the responsibilities and duties of Emergency Manager Order Number 3, dated April 10, 2015.

2) Be responsible for effectively overseeing the day-to-day operations of the City, ~~consistent with~~ as defined in Emergency Manager Order 3~~s~~.

3) Be the sole authority concerning modifications to compensation, including appointed officers and other City employees. This provision does not apply for elected officers within the City.

4) Notwithstanding the provisions of paragraph 20 of Emergency Manager Order No. 3 (issued April 10, 2015), termination of any department head shall require the approval of the Board.

5) Negotiate in consultation with the Mayor, and recommend approval to the Board proposed collective bargaining agreements, subject to limitations on collective bargaining under MCL 141.1567(3).

6) Submit regular reports to the Mayor, City Council, and Board regarding the overall operation and direction of the City and regularly report on his or her activities to the Mayor, the City Council, and the Board.

7) Serve as the official City representative to the Board on behalf of the Mayor and the City Council.

8) Work with the City Council, the Mayor, and other City or State officials to successfully transition the City from receivership and eliminate financial stress within the City.

9) Ensure that the City is in full compliance with Public Act 436, all Emergency Manager Orders, local ordinances, and applicable state and federal laws.

10) The City Administrator may be removed only in accordance with the provisions set forth by Emergency Manager Orders and the City Administrator's Employment Agreement. Complaints or grievances against the City Administrator from the Mayor or City Council shall be provided to the City Administrator in writing. The City Administrator may not be terminated, suspended, or placed on administrative leave without the approval of the Board.

11) Shall observe and comply with the Purchasing Ordinance, Ordinance #3865 However in the event that the Board documents abuse of the process outlined in ordinance, the Board may resolve to review all purchases over $15,000.00. If this occurs, Board approval is required in addition to approvals required by ordinance.

12) Provide to the Mayor, City Council, and the Board by the 20th calendar day following the end of each month, or when directed by the Board, monthly budget-to-actual reports, balance sheets, and a cash balances report by fund and by bank account, as prepared by the Finance Director. These reports are to be reviewed monthly with the Mayor. Additionally, if requested by the Board, monthly reports shall be submitted to the Board which detail all of the overtime expenses that the City has incurred during the previous 30 days.

13) Provide the Board with a plan to address and resolve all deficiencies reported in the most recent audited financial statements.

14) Serve as the primary contact between the Mayor, City Council, and the employees of the City.

Comment [HH3]: Needs to change to reflect Mayor's repsonsiblilities.

15) Faithfully execute the duties of the City Administrator as defined in the Emergency Manager Order 3.

(c) The Mayor, City Administrator, and City Council shall implement all of the following financial best practices within the City and do all of the following:

1) Comply with all financial policies and ordinances, including but not limited to, the development and update of the Strategic Plan, Ordinance #3854; Development and Adoption of Biennial Budgets and Three-Year Financial Forecasts, Ordinance #3855; Amendment of Adopted Budgets, Ordinance #3856; Fund Balance Policy, Ordinance #3851; Budget Stabilization Fund, Ordinance #3853; Other Post-Employment Benefits, Ordinance #3852; and the Purchasing Ordinance, Ordinance #3865. Additionally, continue to adopt, subject to Board approval, any policies and procedures necessary to implement best financial practices by the City.

2) Work with the Board to successfully transition the termination of receivership for the City by supporting, implementing, and maintaining the financial and operating plan and the reforms instituted by the City's emergency managers, including but not limited to, the financial and operating plan for the City and by providing appropriate training and explanation of City operations.

3) Provide to the Board, in a timely manner, any documents, records, or other information requested by the Board or its staff. Appear before the Board to provide testimony, documents, records or other information when requested by the Board or its staff.

4) Per previously adopted Orders, continue to develop and maintain a rolling five-year financial operations plan, in coordination with the City Administrator and City Finance Director, and ensure that the financial operations plan is prepared in accordance with applicable law. The five-year financial operations plan and any subsequent amendments are subject to Board approval.

5) Per previously adopted Orders, continue to develop and maintain a rolling six year Capital Improvements Plan (CIP), in coordination with the City Planning Commission

and ensure that the CIP is prepared annually in accordance with applicable law. The CIP, and any subsequent amendments, are subject to approval by the Board.

6) Annually budget for and receive training on the Open Meetings Act, effective meeting management and parliamentary procedures, council-manager relations, analyzing financial statements, and reports from professionally recognized organizations. The City will pay for training costs. Budget for and ensure that all planning commissioners, zoning board of appeals members, and members of the board of review annually receive proper training to assist them in the fulfillment of their roles and responsibilities and remove members who fail to receive adequate training.

7) Annually review, upon preparation and adoption of the budget, all fees and make recommendations subject to approval of the Board. Should the City Council fail to adopt a budget by the first (1st) Monday in June, fail to approve a proposed budget amendment in a timely manner, or fail to ratify a fee schedule recommended by the City Administrator, the City Administrator shall present such budget, budget amendment, or fee schedule to the Board for approval, and the Board may approve the budget, budget amendment, or fee schedule on behalf of the City.

8) Continue to implement any steps necessary to successfully complete the district court consolidation process.

9) Take all steps necessary to successfully establish, develop, and complete the Karegnondi Water Authority (KWA) project.

10) Take action at the same meeting on all items duly submitted by the City Administrator to the City Council agenda unless the City Administrator agrees that the items should be postponed to the next subsequent meeting.

11) All City elected officials, officers, and employees shall abide by all State regulations and statutes.

(d) Limitations upon the City Council, Mayor, and the City Administrator:

1) The City Council, Mayor, or City Administrator shall not revise any Order that was implemented by the Emergency Manager during his or her term prior to one year after the termination of receivership. Amendments to Emergency Manager Orders may be made pursuant to the procedures identified in Section 5.

2) There shall be no funding for the Office of the Ombudsman or the Civil Service Commission.

5. Except as otherwise provided in this paragraph, the power to rescind or amend any order issued by the Emergency Manager shall rest solely with the Board, with approval by the State Treasurer, to the extent permitted under PA 436. This Order may be amended, modified, repealed, or terminated by a subsequent Order issued by an Emergency Manager.

6. This Order amends all previous Emergency Manager Orders to the extent that they are inconsistent.

7. This Order shall have immediate effect.

From: Hollins, Harvey (GOV)
Sent: Wednesday, July 29, 2015 1:43 PM
To: Clayton, Stacie (GOV)
Subject: Fwd: Water Filter

Best,
Harvey

Begin forwarded message:

> **From:** "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
> **Date:** July 27, 2015 at 8:42:42 AM EDT
> **To:** [redacted]" <[redacted]
> **Cc:**[redacted] <[redacted]>, "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>
> **Subject: Re: Water Filter**
>
> [redacted]
> Thank you. We will work with [redacted] to identify the appropriate entity to receive the filters for Flint residents. In addition, we'll keep you out the public eye on this.
>
> Please know, however, how much we appreciate [redacted] and most importantly you for doing this.
>
> Best,
> Harvey
>
> On Jul 27, 2015, at 7:44 AM, [redacted] wrote:
>
> > Harvey -
> >
> > We are all set. [redacted] can serve as liaison on this one. The merchant team can source 1,500 filters. We will get them to the community at cost. My guess is this will be $20k or so, but the team will give you a final number.
> >
> > Because we don't want to be a state vendor, we won't sell them to you. [redacted] will work out logistics of whether we make a donation of gift cards to the state that you use to purchase them, or whether there is some other entity to which we can give them.

Given all the circumstances, we are not interested in any publicity. We want it to be clear that the state is providing these, not [redacted]

Thanks for reaching out.

[redacted]

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Thursday, July 23, 2015 12:20 PM

To: [redacted]

Subject: RE: Water Filter

Thank you.

-----Original Message-----

From: [redacted]

Sent: Thursday, July 23, 2015 10:57 AM

To: Hollins, Harvey (GOV)

Cc: [redacted]

Subject: RE: Water Filter

Will get back soon.

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Wednesday, July 22, 2015 12:17 PM

To: [redacted]

Subject: Water Filter

[redacted]

Per our last conversation, I expressed that we were interested acquiring and distributing 1500 water filters to Flint residents to assist with the quality (perceived or real) of their drinking water until the KWA pipeline comes online.

A few weeks ago, you asked me to send you the product ID number so you could check with your suppliers regarding price. I apologize for taking long to send you product ID; a number of conversations needed to occur in Flint before we could proceed.

The product ID for a Brita Filter for kitchen faucets is:

Product ID 3176421

UPC 7-23987-0078

Thank you for taking the time to look into this.

Best,

Harvey Hollins III, Director

Governor's Office of Urban Initiatives

313.456.4994<tel:313.456.4994> (office)

[redacted] (Cell)

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

From: Hollins, Harvey (GOV)
Sent: Wednesday, July 29, 2015 6:58 PM
To: [redacted]
Cc: Clayton, Stacie (GOV); [redacted]
Subject: Re: Water Filter

We cannot express how much we appreciate this. Thank you!!

Best,
Harvey

On Jul 29, 2015, at 5:27 PM, [redacted] wrote:

> They are actually being donated.
>
> On Jul 29, 2015, at 5:23 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:
>
> > Thank you, [redacted] for the quick response. Harvey does have an additional question. Is the plan for the state to purchase the filters or is the Meijer Foundation donating them? The former is fine and the latter is great. If we purchase them we have to determine the process. If they are donated, I will identify the location in Flint where they will be shipped.
> >
> > Stacie
> >
> > **From:** [redacted]
> > **Sent:** Wednesday, July 29, 2015 1:56 PM
> > **To:** Clayton, Stacie (GOV)
> > **Cc:** [redacted]
> > **Subject:** Re: Water Filter
> >
> > We are actually good to go and ready to ship vice copied [redacted] the VP over the area and my assistant.
> >
> > Just let us know the "ship to" and we are on our way.
> >
> > On Jul 29, 2015, at 1:47 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:
> >
> > > Hi [redacted]

I hope you are doing well and enjoying your summer. Please let me know a convenient time for a phone call with you so we can discuss the water filters.

Thank you,
Stacie

Stacie Clayton, Assistant Director
Harvey Hollins III, Director
Governor's Office of Urban Initiatives
3044 West Grand Boulevard, Ste. 14-650
Detroit, MI 48202
313.456.4994 (office)
claytons3@michigan.gov

From: Hollins, Harvey (GOV)
Sent: Wednesday, July 29, 2015 1:43 PM
To: Clayton, Stacie (GOV)
Subject: Fwd: Water Filter

Best,
Harvey

Begin forwarded message:

> **From:** "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
> **Date:** July 27, 2015 at 8:42:42 AM EDT
> **To:** [redacted]
> **Cc:** [redacted] "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>
> **Subject: Re: Water Filter**
>
> [redacted]
> Thank you. We will work with [redacted] to identify the appropriate entity to receive the filters for Flint residents. In addition, we'll keep you out the public eye on this.
>
> Please know, however, how much we appreciate [redacted] and most importantly you for doing this.
>
> Best,
> Harvey

On Jul 27, 2015, at 7:44 AM, [redacted] wrote:

Harvey -

We are all set. [redacted] can serve as liaison on this one. The merchant team can source 1,500 filters. We will get them to the community at cost. My guess is this will be $20k or so, but the team will give you a final number.

Because we don't want to be a state vendor, we won't sell them to you. [redacted] will work out logistics of whether we make a donation of gift cards to the state that you use to purchase them, or whether there is some other entity to which we can give them.

Given all the circumstances, we are not interested in any publicity. We want it to be clear that the state is providing these, not [redacted]

Thanks for reaching out.

[redacted]

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Thursday, July 23, 2015 12:20 PM

To: [redacted]

Subject: RE: Water Filter

Thank you.

-----Original Message-----

From: [redacted]

Sent: Thursday, July 23, 2015 10:57 AM

To: Hollins, Harvey (GOV)

Cc: [redacted]

Subject: RE: Water Filter

Will get back soon.

-----Original Message-----

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]

Sent: Wednesday, July 22, 2015 12:17 PM

To: [redacted]

Subject: Water Filter

[redacted]

Per our last conversation, I expressed that we were interested acquiring and distributing 1500 water filters to Flint residents to assist with the quality (perceived or real) of their drinking water until the KWA pipeline comes online.

A few weeks ago, you asked me to send you the product ID number so you could check with your suppliers regarding price. I apologize for taking long to send you product ID; a number of conversations needed to occur in Flint before we could proceed.

The product ID for a Brita Filter for kitchen faucets is:

Product ID 3176421

UPC 7-23987-0078

Thank you for taking the time to look into this.

Best,

Harvey Hollins III, Director

Governor's Office of Urban Initiatives

313.456.4994<tel:313.456.4994> (office)

[redacted] (Cell)

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

NOTE: This electronic message and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this message in error, any unauthorized review, use, disclosure, distribution or copying of this message is prohibited. If you are

not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Unless expressly stated in this e-mail, nothing in this message should be construed as a digital or electronic signature or writing.

From: Hollins, Harvey (GOV)
Sent: Friday, October 02, 2015 9:23 AM
To: Murray, David (GOV)
Subject: RE: HIGH PRIORITY: Updated Flint water action plan

Yes I have them. Thank you.

From: Murray, David (GOV)
Sent: Friday, October 02, 2015 8:49 AM
To: Hollins, Harvey (GOV) <hollinsh@michigan.gov>
Subject: FW: HIGH PRIORITY: Updated Flint water action plan
Importance: High

Harvey,

I wanted to make sure you had all of these – especially the talking points.

From: Wurfel, Sara (GOV)
Sent: Thursday, October 01, 2015 11:42 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Posthumus, Dick (GOV) <Posthumusd@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>; Priest, Chris (GOV) <PriestC1@michigan.gov>; Ackerman, Darin (GOV) <ackermand3@michigan.gov>; Lange, Michelle (GOV) <LangeM3@michigan.gov>; Mcbride, Bill (GOV) <mcbrideb@michigan.gov>; Brown, Eric (GOV) <BrownE15@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>
Cc: Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>; Clayton, Stacie (GOV) <claytons3@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Brown, Jessica (GOV) <BrownJ53@michigan.gov>; Paciorek, Josh (GOV) <Paciorekj@michigan.gov>
Subject: HIGH PRIORITY: Updated Flint water action plan
Importance: High

Hi all –

Attached are several items pulled together to help announce the new comprehensive action plan related to Flint water tomorrow. This build upon past efforts and as aimed to be a real collaborative effort with local, state and federal agencies, along with city and community leaders. These items are:

- News release
- Infographics – one to summarize action plan and one to help highlight the tips for Flint residents
- High level points

The Governor, along with Dan Wyant, Nick Lyon, and Dr. Eden Wells are slated to do an embargoed media conference call with select reporters at 11:15 a.m. tomorrow.

This will be followed by a 1:30 p.m. press conference in Flint led by Directors Wyant and Lyon, moderated by Harvey, and including Dr. Wells and Flint Mayor Dayne Walling. EPA Region 5 Administrator Susan Headman dropped out late

today due to some pending litigation. It's possible that Cong. Kildee and/or State Sen. Anaich and State Reps. Neely and Phelps may be participating as well.

There will also be a clearinghouse of Flint water information available at a new web site – www.michigan.gov/FlintWater. It will be live at 1 p.m. tomorrow.

Please review and let us know of any Qs, concerns, last edits, of if anything else is needed at all.

They are going through last review and refinement now. Please do not share materials until we know they are final.

Thanks much,
SW

Sara Wurfel, APR
Press Secretary | Executive Office of Governor Rick Snyder
wurfels@michigan.gov
517-335-6397, office
[redacted], mobile
Twitter:@SaraLW

From: Hollins, Harvey (GOV)
Sent: Tuesday, January 05, 2016 1:14 PM
To: Murray, David (GOV)
Cc: Holland, Meegan (GOV)
Subject: Re: Flint Talking Point
Attachments: image001.jpg

Thank you.

Best,
Harvey

On Jan 5, 2016, at 1:09 PM, Murray, David (GOV) <MurrayD1@michigan.gov> wrote:

> Hello Harvey, after consulting with Jim Redford, we developed this short statement:
>
> We will cooperate fully with any requests from the U.S. Attorney's Office as it looks into Flint's water challenges. Gov. Snyder has appointed an independent panel that is reviewing all state, local and federal actions related to the situation, and we are fully cooperating with any requests made by that panel as well. We are committed to working with Mayor Karen Weaver and county leaders as we focus on protecting the health of Flint residents and all Michiganders.
>
> **Dave Murray**
> Press Secretary | Executive Office of Governor Rick Snyder
> MurrayD1@michigan.gov
> 517-335-6397, office
> [redacted] mobile
> Twitter:@michigandmurray
>
> <image001.jpg>
>
> ---
>
> **From:** Hollins, Harvey (GOV)
> **Sent:** Tuesday, January 05, 2016 1:07 PM
> **To:** Baird, Richard (GOV) <bairdr@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Holland, Meegan (GOV) <HollandM2@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>; Redford, James (GOV) <RedfordJ@michigan.gov>
> **Subject:** Flint Talking Point
>
> All,
>
> Do we have a talking point for the US AG's investigation:
>
> http://www.detroitnews.com/story/news/michigan/2016/01/05/flint-water-probe/78307142/
>
> ***Harvey***

From: Murray, David (GOV)
Sent: Friday, December 11, 2015 2:58 PM
To: Snyder, Rick (GOV); Calley, Brian (GOV); Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Agen, Jarrod (GOV); Posthumus, Dick (GOV); Redford, James (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Mcbride, Bill (GOV); Holland, Meegan (GOV); Forstner, Nathaniel (GOV); Brownfield, Michael (GOV); Walsh, John (GOV)
Cc: Scott, Allison (GOV); Wisniewski, Wendy (GOV)
Subject: New release on blood lead level testing in Flint.

Good afternoon Governor and team,

Just wanted to give you a heads up about a release DHHS is issuing today with updated blood lead level testing. About 500 more people have been tested since the last release, and eight more people had elevated levels.

The format and information is similar to the previous release. DHHS plans to issue such updates every three weeks for the time being to show transparency, remind people that testing is available if they are concerned, and that free filters and replacement cartridges are available.

I've pasted the release below.

Have a nice weekend,

Dave

December 11, 2015

MDHHS releases latest round of Flint blood lead level data

LANSING, Mich. – The Michigan Department of Health and Human Services today issued its newest summary report on lead testing in Flint. According to preliminary data, 39 of 1,836 adults and children tested had elevated blood lead levels since Oct. 1.

"As testing continues, our focus remains on helping families reduce all potential exposures to lead," said Dr. Eden Wells, MDHHS chief medical executive. "We are working closely with the Genesee County Health Department to provide information and offer tools in the community, and encourage families to explore the resources that are available to them."

Both capillary and venous blood tests are included in the report, and people who have had multiple tests are counted only once. Tests and their results cover the time since the state action plan was put in place on Oct. 2, and capture the number of elevated blood lead levels greater than 5 micrograms per deciliter.

MDHHS is working closely with local partners to offer resources and distribute important lead testing and prevention information. Additional state funding has allowed for Genesee County Health Department (GCHD) nurses to work with families when an elevated blood lead level is detected. These families can also choose to have the nurse coordinate an environmental health investigation in their home to identify lead exposures, which could be lead from paint, soil, plumbing, and other sources.

To support these efforts, the state is coordinating with its Medicaid health plans and provider communities on enhanced screening and testing. In addition to mandated testing at ages one and two for the Medicaid population, MDHHS has recommended blood lead testing for any child younger than six years of age in Flint who has not previously been tested. The state, in coordination with GCHD, developed and issued a Health Alert Network (HAN) notification for local providers to help ensure consistent messaging and protocols among primary care providers.

Free water filters and replacement cartridges are still available to Flint residents. For a full list of locations and hours of distribution, or to view the full blood lead level report, visit www.michigan.gov/flintwater. The summary will be updated as more data becomes available.

To help residents properly install water filters, and to demonstrate how to replace the original when it expires, MDHHS has created an instructional video on its YouTube channel. For this and other updates, visit www.michigan.gov/flintwater.

# # #

Dave Murray
Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397, office
[redacted] mobile
Twitter:@michigandmurray

From: Holland, Meegan (GOV)
Sent: Thursday, December 24, 2015 8:08 AM
To: Agen, Jarrod (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Walsh, John (GOV); Calley, Brian (GOV); Snyder, Rick (GOV); Clement, Elizabeth (GOV); Scott, Allison (GOV)
Subject: BRIEFING: Auditor General answers on Flint water situation
Attachments: Auditor General Letter - City of Flint Drinking Water (002).pdf

Colleagues:

Here is a summary of answers from the Office of the Auditor General in response to questions mostly posed by Sen. Jim Ananich's office (the auditor added a few questions in the 11-page report). The questions came as the OAG conducts an audit of the Office of Drinking Water and Municipal Assistance's handling of the Flint water crisis.

Conclusions:

While the City Council voted in March 2013 to move to the KWA pipeline, it didn't designate the Flint River as an interim water source. But the DEQ had approved the river as a backup source for emergency purposes in 2006. The treated water met safety standards in quarterly tests by the Flint WTP, but Flint had never tested its effect on the distribution system.

In an email review of key DEQ managers to determine if there was an effort to conceal information, only one email exchange raised red flags. The EPA had asked DEQ in February 2015 if Flint had a corrosion control program; the DEQ responded the city had an optimized program in place. But in April the EPA asked again, and the DEQ said that the Flint Water Treatment Plant (WTP) was not doing corrosion control. DEQ later explained that its first response referred to its program to monitor a new water source (in this case, the Flint river) for lead/copper for two consecutive six-month periods to determine optimal corrosion treatment. The report says there's no reason to believe that DEQ willfully misrepresented information to the EPA. It also concludes that ODWMA employees appeared to have notified management properly about the unfolding Flint water situation.

DEQ did not consult with the EPA on how best to apply the Lead and Copper Rule (LCR) monitoring practices after the switch to Flint water, but from past experience, DEQ believed it was doing so correctly by doing two rounds of six-month monitoring on the new water source before determining optimal corrosion control. The EPA disagreed with DEQ's interpretation of the LCR, but later stated that the LCR was open to interpretation. It then clarified the rule; the upshot: corrosion controls already in place when Flint was on Detroit water should have been maintained after the switch.

DEQ should have notified the Flint WTP to start corrosion controls once the first round of six-month sampling results arrived in late March 2015 and showed the water exceeded acceptable lead levels.

DEQ doesn't oversee the Flint WTP so it doesn't have any accountability measures to ensure the WTP is collecting water samples from tier 1 homes, i.e., residences with lead service lines, soldering or plumbing. Instead, DEQ relies on Flint's certification of sample sites. The auditor suggests DEQ should consider an independent verification of the sampling pool or Flint's certifications. In November 2015, Flint admitted that it had no way to ensure the sites were all tier 1. Water samples came from 175 randomly distributed testing bottles. DEQ has asked Flint to verify its prior samples by this Wednesday (12/30).

There's been controversy that DEQ dropped two sampling sites with high lead levels from its second six-month review. It was appropriate for DEQ to do so because those sites did not meet federal criteria. It was also appropriate for DEQ to require flushing taps the night before sampling to ensure faucets didn't contain overly stagnant water.

Charts show that most water samples were taken in the sixth month of the six-month testing period. The report said it's tough to determine if the lateness of the sampling affects the accuracy.

The report ends with an excellent timeline. I have attached the report in case you want to review the timeline on page 11.

Meegan Holland
Director of Communications for Gov. Rick Snyder
Office: 517-335-6397
Mobile: [redacted]
Twitter: @meholland

OAG
Office of the Auditor General
Doug A. Ringler, CPA, CIA
Auditor General
201 N. Washington Square, Sixth Floor • Lansing, Michigan 48913 • Phone: (517) 334-8050 • www.audgen.michigan.gov

DRAFT

December 23, 2015

The Honorable Jim Ananich
Senate Minority Leader
State Capitol, Room S-105
Lansing, Michigan

Dear Senator Ananich:

Enclosed are answers to the questions you posed in your October 20, 2015 letter to our office regarding the audit we are conducting of the Office of Drinking Water and Municipal Assistance (ODWMA), Department of Environmental Quality (DEQ), specific to lead contamination in the City of Flint's drinking water. Also enclosed are additional questions we developed that are relevant to these issues, along with five exhibits:

- A map showing Flint water samples by zip code.
- A map showing lead counts of 5 parts per billion or higher.
- Two charts showing the number of samples by time period and zip code.
- A time line of the Flint water review.

We appreciate the opportunity to assist you in answering questions regarding this topic. If you have further questions or a request for other services, please do not hesitate to contact our office.

Sincerely,

Doug Ringler
Auditor General

Enclosures

Q1: How does ODWMA ensure the data it receives is accurate?

A: With regard to the United States Environmental Protection Agency (EPA) Lead and Copper Rule (LCR) monitoring requirements, DEQ relies on the following key controls to ensure the accuracy of test results:

- State-owned laboratories test water samples.
- State-owned laboratories send test results directly to DEQ.
- The City of Flint Water Treatment Plant (Flint WTP) certifies whether sample sites are classified as tier 1*.

The current Flint WTP LCR sampling process includes:

1. DEQ informs the Flint WTP of the required water lead and copper sample size.
2. The Flint WTP determines the pool of tier 1 sites for sampling.
3. The Flint WTP selects the sample.
4. The Flint WTP sends out sample kits and instructions to residents for collecting water samples.
5. Residents leave samples and signed sampling forms outside their front doors.
6. The Flint WTP employee picks up samples and forms from residents.
7. The Flint WTP employee reviews sample forms for completeness.
8. The Flint WTP employee sends samples to the State-owned laboratories.
9. State-owned laboratories test samples and provide results directly to DEQ.
10. DEQ receives water lead and copper sample results, which include the following information: date collected, date received, address where collected, type of residence (e.g., single family or apartment), and sample point (e.g., kitchen sink or bathroom sink).
11. DEQ tracks, and follows up if necessary, the number of samples collected by the Flint WTP to help ensure that the required minimum number of samples are collected by the monitoring period deadline.

DRAFT

* Single-family or multiple-family residence with lead service line, lead solder copper piping constructed after 1982, or lead plumbing.

12. The Flint WTP submits lead and copper report to DEQ that certifies whether sample sites meet tier 1 criteria.

13. DEQ prepares the LCR 90th percentile calculation report.

During our review, we noted two potential improvements for the Flint WTP sampling process (see Question 5 of the additional questions answered by the OAG regarding tier 1 sample validity):

- DEQ could verify that the sampling pool was limited to only tier 1 sample sites to ensure that the Flint WTP is in compliance with the LCR (Title 40, Part 141, section 86(a)(3) of the *Code of Federal Regulations* [*CFR*]).

- DEQ could independently verify the validity of sample site certifications.

Q2: What accountability measures are in place for ODWMA staff who fail to follow data verification protocols?

A: DEQ does not provide any direct oversight over the Flint WTP and, therefore, does not have any accountability measures over the Flint WTP's LCR data verification protocols. DEQ's data verification protocol for lead and copper water sampling is limited to verification that the WTP certifies samples submitted to the State-owned laboratories for analysis (see steps 7 and 12 in the Flint WTP LCR sampling process noted in Question 1 above). We did not identify any instances in which ODWMA staff failed to verify that submitted samples were certified by the Flint WTP.

Q3: What accountability measures are in place for ODWMA staff who lie or misrepresent information to the EPA?

A: As with all classified employees, ODWMA staff must adhere to the rules and regulations established by the Michigan Civil Service Commission. If any ODWMA staff were determined to misrepresent information to the EPA, they would be subject to Civil Service Rule 2-6, Discipline, which allows an appointing authority to discipline an employee for just cause up to and including dismissal. We are not aware of any DEQ-established measures that are in addition to the Civil Service Rules.

We gained access to the e-mail accounts of key DEQ management (DEQ Director, Deputy Director, ODWMA Chief, and other key ODWMA staff) extending back to January 1, 2013. We did so to identify the key decision points and conversations that occurred leading up to and through the situation in Flint. Our review was also intended to determine whether State, Flint, or other officials attempted to conceal key test results or other information.

We noted one e-mail exchange between DEQ and the EPA that appears to be a significant contributor to the concern that DEQ misrepresented information to the EPA. The EPA requested clarification on February 26, 2015 regarding the type of optimized corrosion control **treatment** the Flint WTP was using. DEQ responded on February 27, 2015 that the city had an optimized corrosion control **program** in place, but DEQ did not provide any program details. DEQ informed us that the Flint WTP corrosion control **program** included performing

lead and copper monitoring for two consecutive six-month periods to determine whether corrosion control **treatment** would be necessary in the future. However, it appears the EPA interpreted corrosion control **program** to mean that corrosion control **treatment** was being performed.

On April 23, 2015, the EPA again inquired as to what the Flint WTP was doing for corrosion control **treatment**. DEQ responded on April 24, 2015 that the Flint WTP was not practicing corrosion control **treatment**.

Based on our review of this and other e-mails, we have no specific reason to believe that DEQ willfully misrepresented the information to the EPA.

Q4: What policies do DEQ and ODWMA have in place to escalate major infractions up the chain of command?

A: We did not note any instances of major infractions (i.e., intentional disregard of policies, laws, regulations or specific directions) committed by DEQ staff during the course of our review. DEQ does not have a formal policy or procedure in place to escalate major infractions performed by ODWMA employees; however, our review of DEQ correspondence confirmed the escalation of key issues up the chain of command related to the Flint situation. DEQ stated that its informal policy is for staff to notify the proper level of management of infractions to determine necessary action.

DRAFT

Application of the LCR

Q1: How did the Flint WTP become the primary water supplier for the City of Flint?

A: Upon notification of the City of Flint's plans to switch to the Karegnondi Water Authority (KWA) in April 2013, the Detroit Water and Sewerage Department (DWSD) submitted a letter to the City of Flint stating that it would terminate its agreement to provide water services on April 17, 2014.

According to DEQ management, the Flint WTP attempted to negotiate with the DWSD to maintain it as the City of Flint water supplier; however, after negotiations were unsuccessful, the City of Flint notified DEQ through a permit request of its intent to operate the Flint WTP full time using the Flint River. Although the Flint City Council voted in March 2013 in support of moving to the KWA pipeline, the vote was silent on the use of the Flint River as a temporary drinking water source.

The Flint River was approved by DEQ in 2006 as a backup source of water for emergency purposes prior to the switch from the DWSD WTP to the Flint WTP. On a quarterly basis, the Flint WTP tested the treated Flint River water at the Flint WTP, which met water quality standards; however, the Flint WTP did not test the water's effect on the distribution system at consumer tap locations.

Q2. Did DEQ consult with the EPA prior to determining how to apply the LCR?

A: DEQ did not consult with the EPA on how to apply the LCR prior to implementing two consecutive six-month monitoring periods of the Flint WTP beginning July 1, 2014. Based on past experiences applying the LCR monitoring requirements, DEQ believed that it had appropriately applied the LCR requirements of a large water system.

Q3: When Flint switched to the Flint River water source, should corrosion control treatment have been maintained?

A: We believe that corrosion control treatment should have been maintained.

According to the LCR, a water system can achieve optimized corrosion control if it submits results of tap water monitoring for two consecutive six-month monitoring periods with acceptable lead levels. However, a water system that has optimized corrosion control, and which has treatment in place, should continue to operate and maintain optimal corrosion control treatment.

DEQ staff explained that they did not treat the switch to Flint River water as a new system, but as a new source. DEQ further stated that because the Flint River was a new water source and there was a change in chemicals needed to treat the new source, a corrosion control study was needed to determine the impact on the water distribution system. Therefore, it was DEQ's interpretation that two rounds of six-month monitoring were still needed to evaluate the water quality and determine optimal corrosion control treatment.

DRAFT

The Flint water system had optimal corrosion control treatment when the DWSD WTP was the water supplier. Based on our review of notes from a July 21, 2015 EPA and DEQ conference call on DEQ's implementation of the LCR regarding whether the Flint WTP should have continued to maintain corrosion control treatment, it appeared that the EPA did not agree with DEQ's interpretation of the LCR. Region 5 EPA staff explained that they would talk to the EPA headquarters about the interpretation of regulations and believes that systems that have been deemed optimized need to "maintain" corrosion control. The Region agreed to provide supporting regulatory citations for the language about maintaining corrosion control.

On November 3, 2015, the EPA issued a memorandum stating that the LCR had differing possible interpretations; however, the EPA concluded that it is important for large water systems to take the steps necessary to ensure that appropriate corrosion control treatment is maintained at all times, thus ensuring that public health is protected. Based on this clarification, it appears that corrosion control treatment should have been maintained.

Q4: Should DEQ have required the Flint WTP to start pursuing optimized corrosion control treatment after the first round of six-month sampling results were above the lead action level of 5 parts per billion (ppb)?

A: Yes. According to DEQ's application of the LCR, within six months after the end of the monitoring period in which the water sample results exceeded the acceptable lead level, DEQ should have required the Flint WTP to start pursuing optimized corrosion control treatment.

The LCR states that the lead action level is exceeded if the lead level, as determined by the 90th percentile calculation, is greater than 15 ppb. If the lead action level is exceeded, water systems are required to take additional actions including educating the public about lead in drinking water as well as commencing lead service line replacement if the water system has already installed corrosion control and/or source water treatment. However, for water systems that have not yet implemented corrosion control treatment, they can be deemed to have optimized corrosion control without installing treatment if they can demonstrate lead levels below 5 ppb for two consecutive six-month periods.

The first round of six-month sampling results was received in late March 2015. Because the results were 1 ppb over the lead action level of 5 ppb, DEQ would not be able to achieve two consecutive six-month periods below 5 ppb. Therefore, DEQ should have notified the Flint WTP to start pursuing optimized corrosion control treatment. However, DEQ waited until the second round of sampling was completed (June 30, 2015) to assess whether water sample results improved.

Water Samples

Q5: Did DEQ verify that only tier 1 sample sites were selected by the Flint WTP in the two rounds of six-month samples?

A: DEQ did not verify that only tier 1 sample sites were selected. DEQ relies on the Flint WTP's certification of sample sites and does not perform any independent verification of those certifications.

DRAFT

In a November 19, 2015 *Flint Journal* article, the Flint WTP indicated that it did not have the ability to ensure that all sites were tier 1. In fact, water samples came from the random distribution of 175 testing bottles without regard for whether the homes were at risk for high lead levels. DEQ issued a formal memorandum on November 9, 2015 requesting that the Flint WTP verify the classification of all prior sample items. The results are due back from the Flint WTP on December 30, 2015.

Q6: DEQ dropped two water sampling sites from its second six-month sample (January 1, 2015 through June 30, 2015). Was this appropriate?

A: Yes, it was appropriate for DEQ to drop these two water sampling sites. Federal regulation 40 *CFR* 141.86(a) states:

> ". . . each water system shall complete a materials evaluation of its distribution system in order to identify a pool of targeted sampling sites that meets the requirements of this section . . . All sites from which first draw samples are collected shall be selected from this pool . . . Sampling sites may not include faucets that have point-of-use or point-of-entry treatment devices designed to remove inorganic contaminants."

This regulation also requires that a water system's targeted sampling pool consist of only tier 1 sampling sites if an adequate number is available to meet monitoring requirements.

According to federal regulation 40 *CFR* 141.86(f), the State may invalidate a water sample if it determines that the sample was taken from a site that did not meet the site selection criteria. A sample invalidated per this regulation does not count toward determining lead or copper 90th percentile levels or toward meeting the minimum monitoring requirements.

DEQ dropped one water sample site from its 90th percentile calculations because the site was from a business that does not meet the tier 1 requirements of being a single-family or multiple-family residence. The second sample site was dropped because the home had a point-of-entry treatment device to filter contaminants. Based on the criteria specified above, it appears that DEQ's rationale for dropping the samples from these two sites appropriately met the requirements for invalidating samples per federal regulation 40 *CFR* 141.86.

Q7: Was flushing of the taps the night before drawing a sample an appropriate sample methodology?

A: Yes. The LCR requires that samples be a first draw of water after six hours of stagnation. The LCR does not indicate whether or not the water line should be flushed prior to collecting the sample. In the sample instructions, DEQ required preflushing to ensure that sampled faucets were not stagnant for an excessive period of time beyond the targeted six hours (e.g., rarely used faucets or when a homeowner has been gone for an extended period of time.)

The LCR requires six hours of stagnation; however, it does not preclude DEQ from instructing residents to flush prior to stagnation.

Flint WTP 2014 and 2015 Sample Locations (Exhibit #1)

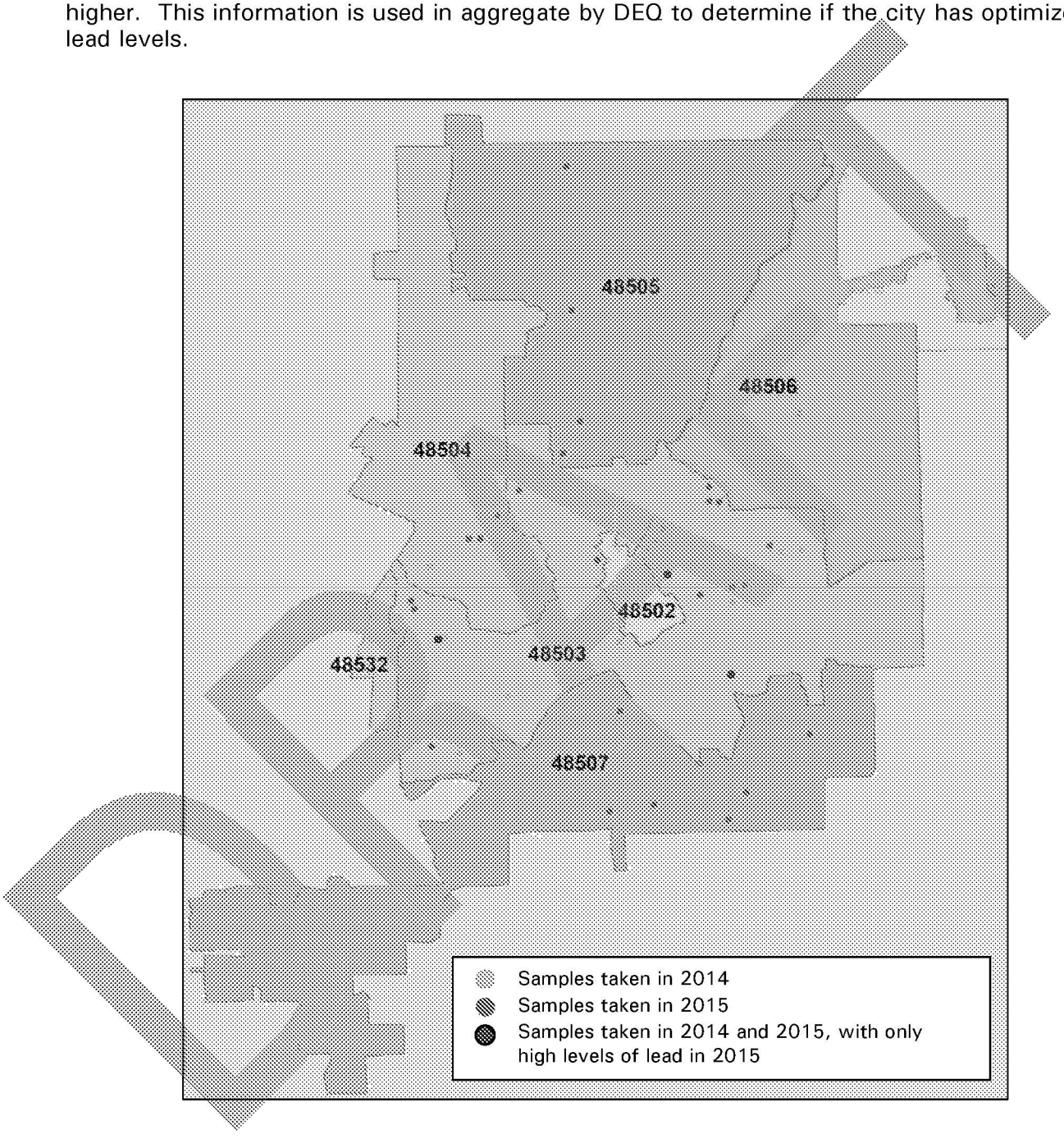
In calendar year 1992, the Flint WTP established a tier 1 sample site pool for LCR monitoring. With the change to the Flint River water, the Flint WTP needed to increase the pool of sample locations because of additional sampling requirements. The following exhibit documents the 2014 and 2015 sample locations for LCR monitoring. Based on the data obtained during our review, we could not determine how the locations were selected or whether they were properly classified as tier 1 sample sites.

As noted in Question 5 of the additional questions answered by the OAG, DEQ has requested the Flint WTP to verify the tier 1 classification of all prior sample items.

Source: The OAG prepared this map using data obtained from DEQ and ©OpenStreetMap contributors (opendatacommons.org). The sample locations are approximate.

Flint WTP 2014 and 2015 Sample Locations With Lead Counts of 5 Parts Per Billion or Higher (Exhibit #2)

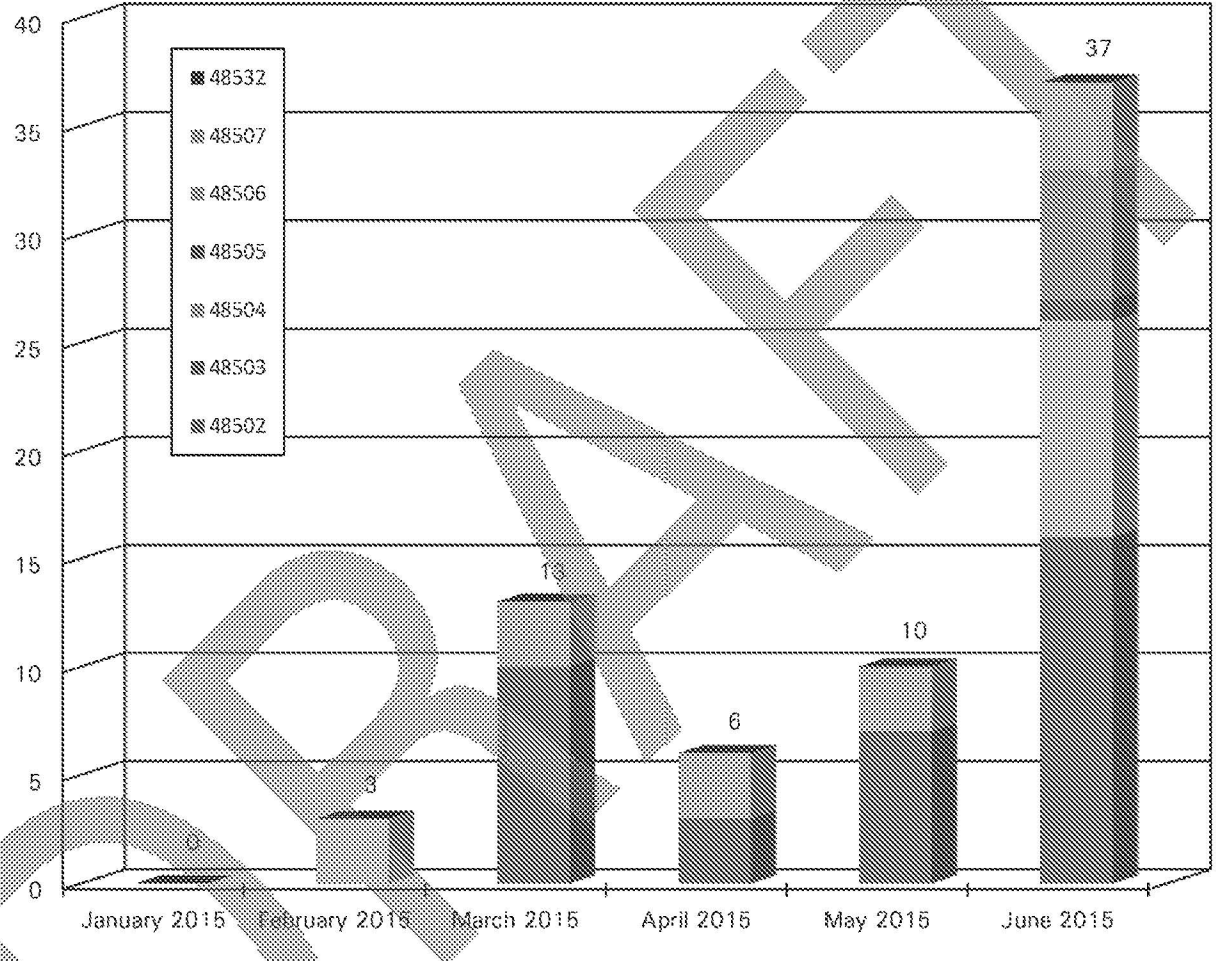
This exhibit documents the 2014 and 2015 sample locations with lead counts of 5 ppb or higher. This information is used in aggregate by DEQ to determine if the city has optimized lead levels.



Source: The OAG prepared this map using data obtained from DEQ and ©OpenStreetMap contributors (opendatacommons.org). The sample locations are approximate.

Flint WTP 2015 Number of Samples by Time Period and Zip Code (Exhibit #3)

This chart expands on Exhibit #1 to show a summary by zip code and time of selection within the sampling period. Based on the data obtained during our review, we could not determine if the lateness of selection within the monitoring period affected the appropriateness of the sample items.

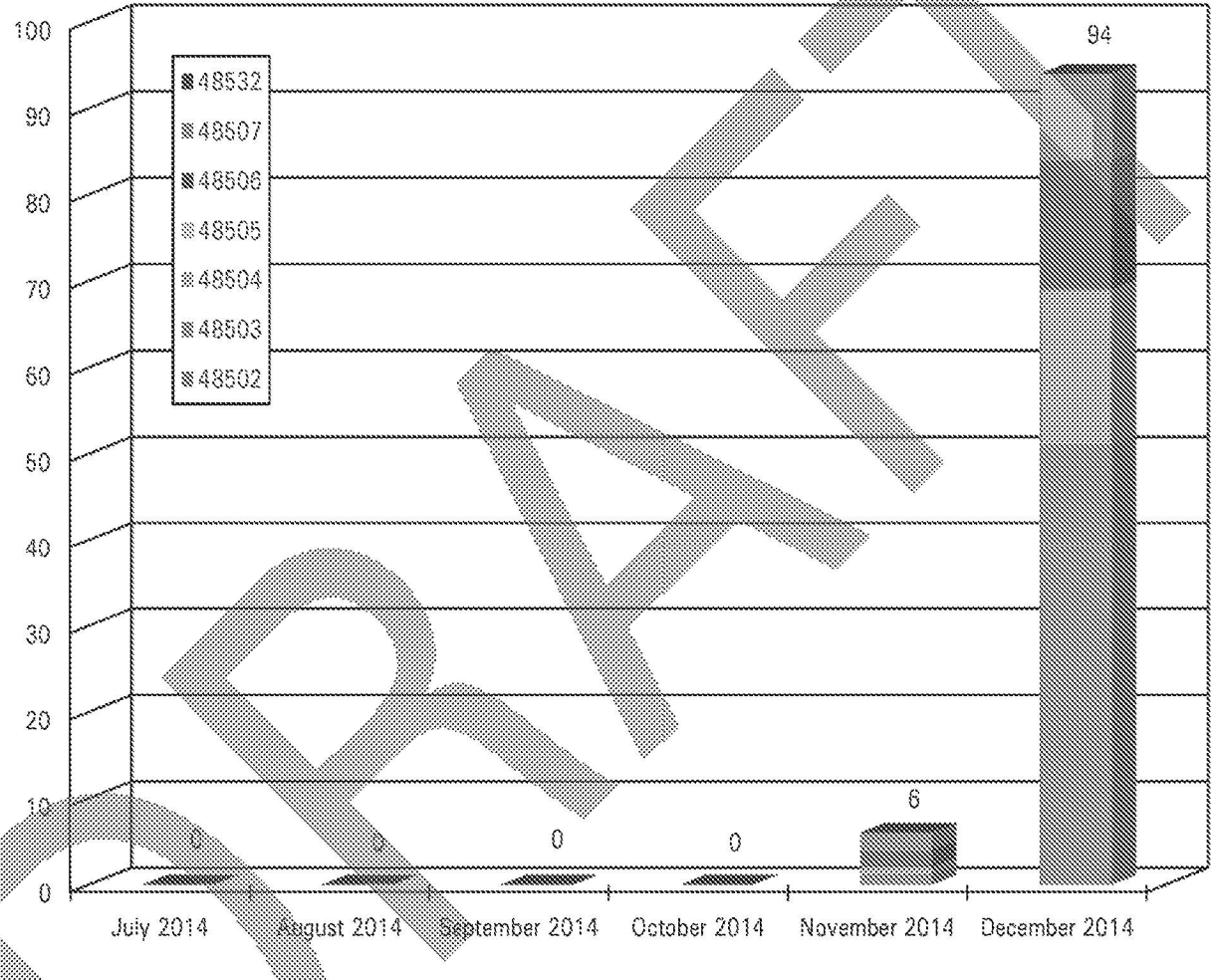


Source: The OAG prepared this chart using data obtained from DEQ.

DRAFT

Flint WTP 2014 Number of Samples by Time Period and Zip Code (Exhibit #4)

This chart expands on Exhibit #1 to show a summary by zip code and time of selection within the sampling period. Based on the data obtained during our review, we could not determine if the lateness of selection within the monitoring period affected the appropriateness of the sample items.



DRAFT

Source: The OAG prepared this chart using data obtained from DEQ.

March 2013
Flint City Council voted 7-1 to join Karegnondi Water Authority (KWA).

April 16, 2013
City of Flint emergency manager Ed Kurtz signs agreement to switch from Detroit Water and Sewerage Department (DWSD) water source to KWA.

April 17, 2013
DWSD said it will stop selling water to the City of Flint in April 2014.

July 2014
DEQ begins the first six-month Flint lead/copper monitoring period.

Mid-March 2014
City of Flint decides to use the Flint River as a water source.

April 25, 2014
City of Flint switches to Flint River water.

January 1, 2015
DEQ begins the second six-month Flint lead/copper monitoring period.

January 12, 2015
DWSD offers the City of Flint a waiver of the $4 million reconnection fee to switch back to Detroit water.

January 29, 2015
City of Flint emergency manager Jerry Ambrose declines DWSD water source reconnection.

February 3, 2015
Governor Snyder awards the City of Flint $2 million to find leaks and replace wastewater incinerator.

February 26, 2015
The EPA discusses a resident's water sample testing results with DEQ (high levels of lead found in water).

February 27, 2015
DEQ responded to the EPA saying that the Flint WTP has an optimized corrosion control program.

March 30, 2015
DEQ notifies the Flint WTP of the first six-month lead/copper monitoring period.

April 24, 2015
DEQ indicates no corrosion control (orthophosphate) chemical in place (treatment).

May 28, 2015
Sample results from the residence noted with high levels on February 26, 2015 show lead levels look good after a new copper service line installation.

July 21, 2015
The EPA and DEQ hold conference call on DEQ's implementation of the Lead and Copper Rule (LCR) and Flint issues.

August 17, 2015
DEQ notifies the Flint WTP of the second six-month lead/copper monitoring results.

August 23, 2015
Virginia Tech researcher notifies DEQ that he will begin a study of the City of Flint water quality.

September 2, 2015
Virginia Tech researcher claims that the corrosiveness of the Flint water is causing lead to leach into residents' water.

September 24, 2015
Hurley Medical Center study issued showing high blood lead levels in City of Flint children.

October 1, 2015
- Michigan Department of Health and Human Services confirms results of Hurley Medical Center study.
- City of Flint urges residents to not drink water.

October 8, 2015
City of Flint develops plan to reconnect to DWSD.

October 16, 2015
City of Flint reconnects to DWSD.

October 19, 2015
DEQ Director Dan Wyant states: ". . . staff made a mistake while working with the city of Flint. Simply stated, staff employed a federal [corrosion control] protocol they believed was appropriate, and it was not."

November 3, 2015
The EPA indicates differing possible interpretations of the LCR with respect to how the LCR's optimal corrosion control treatment procedures apply to this situation (new water source/new water treatment).

2013 | 2014 | 2015

DRAFT

Source: The OAG prepared this time line using data (e-mails, meeting notes, and letters) obtained from DEQ, newspaper and press release articles, the Flintwaterstudy.org, and the Hurley Medical Center survey results.

From: Calley, Brian (GOV)
Sent: Thursday, December 24, 2015 8:36 AM
To: Holland, Meegan (GOV)
Cc: Agen, Jarrod (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Walsh, John (GOV); Snyder, Rick (GOV); Clement, Elizabeth (GOV); Scott, Allison (GOV)
Subject: Re: BRIEFING: Auditor General answers on Flint water situation

Great summary. Thank you.

Is this on publicly released yet?

On Dec 24, 2015, at 8:07 AM, Holland, Meegan (GOV) <HollandM2@michigan.gov> wrote:

> Colleagues:
>
> Here is a summary of answers from the Office of the Auditor General in response to questions mostly posed by Sen. Jim Ananich's office (the auditor added a few questions in the 11-page report). The questions came as the OAG conducts an audit of the Office of Drinking Water and Municipal Assistance's handling of the Flint water crisis.
>
> **Conclusions:**
>
> While the City Council voted in March 2013 to move to the KWA pipeline, it didn't designate the Flint River as an interim water source. But the DEQ had approved the river as a backup source for emergency purposes in 2006. The treated water met safety standards in quarterly tests by the Flint WTP, but Flint had never tested its effect on the distribution system.
>
> In an email review of key DEQ managers to determine if there was an effort to conceal information, only one email exchange raised red flags. The EPA had asked DEQ in February 2015 if Flint had a corrosion control program; the DEQ responded the city had an optimized program in place. But in April the EPA asked again, and the DEQ said that the Flint Water Treatment Plant (WTP) was not doing corrosion control. DEQ later explained that its first response referred to its program to monitor a new water source (in this case, the Flint river) for lead/copper for two consecutive six-month periods to determine optimal corrosion treatment. The report says there's no reason to believe that DEQ willfully misrepresented information to the EPA. It also concludes that ODWMA employees appeared to have notified management properly about the unfolding Flint water situation.
>
> DEQ did not consult with the EPA on how best to apply the Lead and Copper Rule (LCR) monitoring practices after the switch to Flint water, but from past experience, DEQ believed it was doing so correctly by doing two rounds of six-month monitoring on the new water source before determining optimal corrosion control. The EPA disagreed with DEQ's interpretation of the LCR, but later stated that the LCR was open to interpretation. It then clarified the rule; the upshot: corrosion controls already in place when Flint was on Detroit water should have been maintained after the switch.
>
> DEQ should have notified the Flint WTP to start corrosion controls once the first round of six-month sampling results arrived in late March 2015 and showed the water exceeded acceptable lead levels.

DEQ doesn't oversee the Flint WTP so it doesn't have any accountability measures to ensure the WTP is collecting water samples from tier 1 homes, i.e., residences with lead service lines, soldering or plumbing. Instead, DEQ relies on Flint's certification of sample sites. The auditor suggests DEQ should consider an independent verification of the sampling pool or Flint's certifications. In November 2015, Flint admitted that it had no way to ensure the sites were all tier 1. Water samples came from 175 randomly distributed testing bottles. DEQ has asked Flint to verify its prior samples by this Wednesday (12/30).

There's been controversy that DEQ dropped two sampling sites with high lead levels from its second six-month review. It was appropriate for DEQ to do so because those sites did not meet federal criteria. It was also appropriate for DEQ to require flushing taps the night before sampling to ensure faucets didn't contain overly stagnant water.

Charts show that most water samples were taken in the sixth month of the six-month testing period. The report said it's tough to determine if the lateness of the sampling affects the accuracy.

The report ends with an excellent timeline. I have attached the report in case you want to review the timeline on page 11.

Meegan Holland
Director of Communications for Gov. Rick Snyder
Office: 517-335-6397
Mobile: [redacted]
Twitter: @meholland

<Auditor General Letter - City of Flint Drinking Water (002).pdf>

From: Holland, Meegan (GOV)
Sent: Thursday, December 24, 2015 8:39 AM
To: Calley, Brian (GOV)
Cc: Agen, Jarrod (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Walsh, John (GOV); Snyder, Rick (GOV); Clement, Elizabeth (GOV); Scott, Allison (GOV)
Subject: RE: BRIEFING: Auditor General answers on Flint water situation

It was provided to Sen. Ananich at close of business day yesterday. We're waiting to see what Sen. Ananich does with the letter. I don't know if the Auditor General will actually release it, since it was a response to Sen. Ananich's questions.

Regards,
Meegan

From: Calley, Brian (GOV)
Sent: Thursday, December 24, 2015 8:36 AM
To: Holland, Meegan (GOV) <HollandM2@michigan.gov>
Cc: Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>; Snyder, Rick (GOV) [redacted] Clement, Elizabeth (GOV) <clemente@michigan.gov>; Scott, Allison (GOV) <scotta12@michigan.gov>
Subject: Re: BRIEFING: Auditor General answers on Flint water situation

Great summary. Thank you.

Is this on publicly released yet?

On Dec 24, 2015, at 8:07 AM, Holland, Meegan (GOV) <HollandM2@michigan.gov> wrote:

> Colleagues:
>
> Here is a summary of answers from the Office of the Auditor General in response to questions mostly posed by Sen. Jim Ananich's office (the auditor added a few questions in the 11-page report). The questions came as the OAG conducts an audit of the Office of Drinking Water and Municipal Assistance's handling of the Flint water crisis.
>
> **Conclusions:**
>
> While the City Council voted in March 2013 to move to the KWA pipeline, it didn't designate the Flint River as an interim water source. But the DEQ had approved the river as a backup source for emergency purposes in 2006. The treated water met safety standards in quarterly tests by the Flint WTP, but Flint had never tested its effect on the distribution system.
>
> In an email review of key DEQ managers to determine if there was an effort to conceal information, only one email exchange raised red flags. The EPA had asked DEQ in February 2015 if Flint had a corrosion control program; the DEQ responded the city had an optimized program in place. But in April the EPA asked again, and the DEQ said that the Flint Water Treatment Plant (WTP) was not doing corrosion control. DEQ later explained that its first response referred to its program to monitor a new water source (in this case, the Flint river) for lead/copper for two consecutive six-month periods to determine

optimal corrosion treatment. The report says there's no reason to believe that DEQ willfully misrepresented information to the EPA. It also concludes that ODWMA employees appeared to have notified management properly about the unfolding Flint water situation.

DEQ did not consult with the EPA on how best to apply the Lead and Copper Rule (LCR) monitoring practices after the switch to Flint water, but from past experience, DEQ believed it was doing so correctly by doing two rounds of six-month monitoring on the new water source before determining optimal corrosion control. The EPA disagreed with DEQ's interpretation of the LCR, but later stated that the LCR was open to interpretation. It then clarified the rule; the upshot: corrosion controls already in place when Flint was on Detroit water should have been maintained after the switch.

DEQ should have notified the Flint WTP to start corrosion controls once the first round of six-month sampling results arrived in late March 2015 and showed the water exceeded acceptable lead levels.

DEQ doesn't oversee the Flint WTP so it doesn't have any accountability measures to ensure the WTP is collecting water samples from tier 1 homes, i.e., residences with lead service lines, soldering or plumbing. Instead, DEQ relies on Flint's certification of sample sites. The auditor suggests DEQ should consider an independent verification of the sampling pool or Flint's certifications. In November 2015, Flint admitted that it had no way to ensure the sites were all tier 1. Water samples came from 175 randomly distributed testing bottles. DEQ has asked Flint to verify its prior samples by this Wednesday (12/30).

There's been controversy that DEQ dropped two sampling sites with high lead levels from its second six-month review. It was appropriate for DEQ to do so because those sites did not meet federal criteria. It was also appropriate for DEQ to require flushing taps the night before sampling to ensure faucets didn't contain overly stagnant water.

Charts show that most water samples were taken in the sixth month of the six-month testing period. The report said it's tough to determine if the lateness of the sampling affects the accuracy.

The report ends with an excellent timeline. I have attached the report in case you want to review the timeline on page 11.

Meegan Holland
Director of Communications for Gov. Rick Snyder
Office: 517-335-6397
Mobile: [redacted]
Twitter: @meholland

<Auditor General Letter - City of Flint Drinking Water (002).pdf>

From: Holland, Meegan (GOV)
Sent: Thursday, December 24, 2015 8:41 AM
To: Hollins, Harvey (GOV); Posthumus, Dick (GOV); Redford, James (GOV); Walsh, John (GOV); Clement, Elizabeth (GOV); Calley, Brian (GOV)
Cc: Agen, Jarrod (GOV); Baird, Richard (GOV)
Subject: Please provide feedback: Governor's statement on Flint water crisis

Colleagues:

Many of us have reached the conclusion that our messaging on the Flint water crisis has room for improvement. We haven't conveyed to citizens the depth of our concern over the situation. I've crafted a statement to be made by the Governor, and would like you to review it.

This statement is meant to manage expectations on the timing of concrete conclusions (the task force report may not come out for another month at least) and to signal that action may come sooner than that (we plan to reach out to Mayor Weaver, for example, and perhaps hold a press conference with her in January announcing some next steps).

Here is the statement:

"I've been briefed on the recent meeting of the task force studying the Flint water situation and I've read the report from the Office of the Auditor General on the processes used by DEQ to monitor Flint water.

"No matter what the testing requirements were, they were not enough to prevent this crisis. I want Michigan to be the state that is known for the safest water in the nation.
"I'd like to thank the task force for keeping me apprised of their continuing investigation. As they uncover more facts, it's clear to me we can do better. The report may take another month or so, but if we need to make changes more swiftly, I plan to take immediate action.

"The bottom line is we'll take responsibility for our part in Flint's water crisis. I'm committed to partnering with all of the stakeholders who are as concerned about public health as I am. I vow to make sure that Flint citizens will have safe drinking water. And I'm so very sorry that this happened.

"But I know an apology isn't enough. We've already allocated $10 million to test the water, distribute water filters, and help in other ways. On Thursday, I called Flint Mayor Karen Weaver, and we're going to sit down in the next week to discuss other ways the state can offer assistance.

"What happened in Flint is inexcusable. I want to assure residents there that we will work hard to make things right."

Thank you,
Meegan

Meegan Holland
Director of Communications for Gov. Rick Snyder
Office: 517-335-6397
Mobile: [redacted]
Twitter: @meholland

From: Calley, Brian (GOV)
Sent: Thursday, December 24, 2015 9:02 AM
To: Holland, Meegan (GOV)
Cc: Agen, Jarrod (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Walsh, John (GOV); Snyder, Rick (GOV); Clement, Elizabeth (GOV); Scott, Allison (GOV)
Subject: Re: BRIEFING: Auditor General answers on Flint water situation

We should ask that it be released soon. It's hard to explain why it would not be made public just as other actions from the Auditor are.

On Dec 24, 2015, at 8:38 AM, Holland, Meegan (GOV) <HollandM2@michigan.gov> wrote:

> It was provided to Sen. Ananich at close of business day yesterday. We're waiting to see what Sen. Ananich does with the letter. I don't know if the Auditor General will actually release it, since it was a response to Sen. Ananich's questions.
>
> Regards,
> Meegan
>
> ---
>
> **From:** Calley, Brian (GOV)
> **Sent:** Thursday, December 24, 2015 8:36 AM
> **To:** Holland, Meegan (GOV) <HollandM2@michigan.gov>
> **Cc:** Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>; Snyder, Rick (GOV) [redacted] Clement, Elizabeth (GOV) <clemente@michigan.gov>; Scott, Allison (GOV) <scotta12@michigan.gov>
> **Subject:** Re: BRIEFING: Auditor General answers on Flint water situation
>
> Great summary. Thank you.
>
> Is this on publicly released yet?
>
> On Dec 24, 2015, at 8:07 AM, Holland, Meegan (GOV) <HollandM2@michigan.gov> wrote:
>
> > Colleagues:
> >
> > Here is a summary of answers from the Office of the Auditor General in response to questions mostly posed by Sen. Jim Ananich's office (the auditor added a few questions in the 11-page report). The questions came as the OAG conducts an audit of the Office of Drinking Water and Municipal Assistance's handling of the Flint water crisis.
> >
> > **Conclusions:**
> >
> > While the City Council voted in March 2013 to move to the KWA pipeline, it didn't designate the Flint River as an interim water source. But the DEQ had approved the river as a backup source for emergency purposes in 2006. The treated water met safety standards in quarterly tests by the Flint WTP, but Flint had never tested its effect on the distribution system.

In an email review of key DEQ managers to determine if there was an effort to conceal information, only one email exchange raised red flags. The EPA had asked DEQ in February 2015 if Flint had a corrosion control program; the DEQ responded the city had an optimized program in place. But in April the EPA asked again, and the DEQ said that the Flint Water Treatment Plant (WTP) was not doing corrosion control. DEQ later explained that its first response referred to its program to monitor a new water source (in this case, the Flint river) for lead/copper for two consecutive six-month periods to determine optimal corrosion treatment. The report says there's no reason to believe that DEQ willfully misrepresented information to the EPA. It also concludes that ODWMA employees appeared to have notified management properly about the unfolding Flint water situation.

DEQ did not consult with the EPA on how best to apply the Lead and Copper Rule (LCR) monitoring practices after the switch to Flint water, but from past experience, DEQ believed it was doing so correctly by doing two rounds of six-month monitoring on the new water source before determining optimal corrosion control. The EPA disagreed with DEQ's interpretation of the LCR, but later stated that the LCR was open to interpretation. It then clarified the rule; the upshot: corrosion controls already in place when Flint was on Detroit water should have been maintained after the switch.

DEQ should have notified the Flint WTP to start corrosion controls once the first round of six-month sampling results arrived in late March 2015 and showed the water exceeded acceptable lead levels.

DEQ doesn't oversee the Flint WTP so it doesn't have any accountability measures to ensure the WTP is collecting water samples from tier 1 homes, i.e., residences with lead service lines, soldering or plumbing. Instead, DEQ relies on Flint's certification of sample sites. The auditor suggests DEQ should consider an independent verification of the sampling pool or Flint's certifications. In November 2015, Flint admitted that it had no way to ensure the sites were all tier 1. Water samples came from 175 randomly distributed testing bottles. DEQ has asked Flint to verify its prior samples by this Wednesday (12/30).

There's been controversy that DEQ dropped two sampling sites with high lead levels from its second six-month review. It was appropriate for DEQ to do so because those sites did not meet federal criteria. It was also appropriate for DEQ to require flushing taps the night before sampling to ensure faucets didn't contain overly stagnant water.

Charts show that most water samples were taken in the sixth month of the six-month testing period. The report said it's tough to determine if the lateness of the sampling affects the accuracy.

The report ends with an excellent timeline. I have attached the report in case you want to review the timeline on page 11.

Meegan Holland
Director of Communications for Gov. Rick Snyder
Office: 517-335-6397
Mobile: [redacted]
Twitter: @meholland

<Auditor General Letter - City of Flint Drinking Water (002).pdf>

From: Baird, Richard (GOV)
Sent: Thursday, December 24, 2015 9:53 AM
To: Holland, Meegan (GOV)
Cc: Hollins, Harvey (GOV); Posthumus, Dick (GOV); Redford, James (GOV); Walsh, John (GOV); Clement, Elizabeth (GOV); Calley, Brian (GOV); Agen, Jarrod (GOV)
Subject: Re: Please provide feedback: Governor's statement on Flint water crisis

This is the best narrative I have seen that actually describes how we feel about the situation and our resolve to make things right. A few thoughts:

We might think about a "lead in" to your second para in the statement. Something like "The bi-partisan task force has worked tirelessly to interview Flint, Genesee County, State and Federal officials and complete an independent fact based analysis. They have reviewed hundreds of documents at all levels of government and from the public health science community and continue to do so.

Para 3 might unintentionally suggest that there are public health stakeholders who are not as serious as the governor. This may be an overreach, but may I suggest

"When it comes to matters of health and quality of life, there is simply no room for error in testing for lead and other toxins. I understand there can be disagreements within the scientific community. That is why I have directed my Directors of MDEQ and DHHS to invite every external scientist who has worked on the Flint water issue to the state laboratory facilities to work as partners with us. Together, we should be able to affirm that every testing protocol and conclusion validates that Flint citizens will have safe drinking water, and that we are doing everything possible to ensure proper monitoring and remediation of blood levels and physical or neurological impacts over the long term. And I want the Flint community and all citizens of Michigan to know how very sorry I am that this has happened."

Nick and Dan might not like the "invite" but I spoken with them both and they of course will support whatever the Boss decides.

Thanks,

Rich

Sent from my iPad

On Dec 24, 2015, at 7:41 AM, Holland, Meegan (GOV) <HollandM2@michigan.gov> wrote:

> Colleagues:
>
> Many of us have reached the conclusion that our messaging on the Flint water crisis has room for improvement. We haven't conveyed to citizens the depth of our concern over the situation. I've crafted a statement to be made by the Governor, and would like you to review it.
>
> This statement is meant to manage expectations on the timing of concrete conclusions (the task force report may not come out for another month at least) and to signal that action may come sooner than that (we plan to reach out to Mayor Weaver, for example, and perhaps hold a press conference with her in January announcing some next steps).

Here is the statement:

"I've been briefed on the recent meeting of the task force studying the Flint water situation and I've read the report from the Office of the Auditor General on the processes used by DEQ to monitor Flint water.

"No matter what the testing requirements were, they were not enough to prevent this crisis. I want Michigan to be the state that is known for the safest water in the nation.
"I'd like to thank the task force for keeping me apprised of their continuing investigation. As they uncover more facts, it's clear to me we can do better. The report may take another month or so, but if we need to make changes more swiftly, I plan to take immediate action.

"The bottom line is we'll take responsibility for our part in Flint's water crisis. I'm committed to partnering with all of the stakeholders who are as concerned about public health as I am. I vow to make sure that Flint citizens will have safe drinking water. And I'm so very sorry that this happened.

"But I know an apology isn't enough. We've already allocated $10 million to test the water, distribute water filters, and help in other ways. On Thursday, I called Flint Mayor Karen Weaver, and we're going to sit down in the next week to discuss other ways the state can offer assistance.

"What happened in Flint is inexcusable. I want to assure residents there that we will work hard to make things right."

Thank you,
Meegan

Meegan Holland
Director of Communications for Gov. Rick Snyder
Office: 517-335-6397
Mobile: [redacted]
Twitter: @meholland

From: Calley, Brian (GOV)
Sent: Thursday, December 24, 2015 10:06 AM
To: Baird, Richard (GOV)
Cc: Holland, Meegan (GOV); Hollins, Harvey (GOV); Posthumus, Dick (GOV); Redford, James (GOV); Walsh, John (GOV); Clement, Elizabeth (GOV); Agen, Jarrod (GOV)
Subject: Re: Please provide feedback: Governor's statement on Flint water crisis

I totally agree with going so far as to specifically apologize. I also like Rich's suggestions. The statement should convey three main points: 1) very sorry with no excuses 2) open and transparent 3) urgency in action steps going forward.

I think this statement accomplishes those goals.

On Dec 24, 2015, at 9:53 AM, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:

> This is the best narrative I have seen that actually describes how we feel about the situation and our resolve to make things right. A few thoughts:
>
> We might think about a "lead in" to your second para in the statement. Something like "The bi-partisan task force has worked tirelessly to interview Flint, Genesee County, State and Federal officials and complete an independent fact based analysis. They have reviewed hundreds of documents at all levels of government and from the public health science community and continue to do so.
>
> Para 3 might unintentionally suggest that there are public health stakeholders who are not as serious as the governor. This may be an overreach, but may I suggest
>
> "When it comes to matters of health and quality of life, there is simply no room for error in testing for lead and other toxins. I understand there can be disagreements within the scientific community. That is why I have directed my Directors of MDEQ and DHHS to invite every external scientist who has worked on the Flint water issue to the state laboratory facilities to work as partners with us. Together, we should be able to affirm that every testing protocol and conclusion validates that Flint citizens will have safe drinking water, and that we are doing everything possible to ensure proper monitoring and remediation of blood levels and physical or neurological impacts over the long term. And I want the Flint community and all citizens of Michigan to know how very sorry I am that this has happened."
>
> Nick and Dan might not like the "invite" but I spoken with them both and they of course will support whatever the Boss decides.
>
> Thanks,
>
> Rich
>
> Sent from my iPad
>
> On Dec 24, 2015, at 7:41 AM, Holland, Meegan (GOV) <HollandM2@michigan.gov> wrote:
>
> > Colleagues:

Many of us have reached the conclusion that our messaging on the Flint water crisis has room for improvement. We haven't conveyed to citizens the depth of our concern over the situation. I've crafted a statement to be made by the Governor, and would like you to review it.

This statement is meant to manage expectations on the timing of concrete conclusions (the task force report may not come out for another month at least) and to signal that action may come sooner than that (we plan to reach out to Mayor Weaver, for example, and perhaps hold a press conference with her in January announcing some next steps).

Here is the statement:

"I've been briefed on the recent meeting of the task force studying the Flint water situation and I've read the report from the Office of the Auditor General on the processes used by DEQ to monitor Flint water.

"No matter what the testing requirements were, they were not enough to prevent this crisis. I want Michigan to be the state that is known for the safest water in the nation.
"I'd like to thank the task force for keeping me apprised of their continuing investigation. As they uncover more facts, it's clear to me we can do better. The report may take another month or so, but if we need to make changes more swiftly, I plan to take immediate action.

"The bottom line is we'll take responsibility for our part in Flint's water crisis. I'm committed to partnering with all of the stakeholders who are as concerned about public health as I am. I vow to make sure that Flint citizens will have safe drinking water. And I'm so very sorry that this happened.

"But I know an apology isn't enough. We've already allocated $10 million to test the water, distribute water filters, and help in other ways. On Thursday, I called Flint Mayor Karen Weaver, and we're going to sit down in the next week to discuss other ways the state can offer assistance.

"What happened in Flint is inexcusable. I want to assure residents there that we will work hard to make things right."

Thank you,
Meegan

Meegan Holland
Director of Communications for Gov. Rick Snyder
Office: 517-335-6397
Mobile: [redacted]
Twitter: @meholland

From: Holland, Meegan (GOV)
Sent: Monday, December 28, 2015 2:09 PM
To: Calley, Brian (GOV); Snyder, Rick (GOV); Walsh, John (GOV); Redford, James (GOV); Agen, Jarrod (GOV); Baird, Richard (GOV); Hollins, Harvey (GOV); Posthumus, Dick (GOV); Clement, Elizabeth (GOV); Scott, Allison (GOV)
Subject: Update on OAG letter and our statement

Colleagues,

The Office of the Auditor General has released the letter. We've developed a statement, based on the summary you read the other night, that spells out how things came down. We hope media will pick up on the fact that the DEQ was largely following protocols, or in one case, an ambiguous one that EPA later clarified.

FYI - Sen. Ananich has released the following in regard to the OAG letter: "The Auditor General has provided an important piece of this puzzle and I'm sure the extended report they are working on will reveal additional information," said Ananich. "What's clear is that corrosion control should have been used and there are serious failings in our system that must be addressed. Between the FOIA emails released recently and these findings, it's obvious that legislative oversight is the best way to see how all of these pieces fit together. I expect holding hearings to be high on the agenda when the Legislature returns."

On Tuesday, we plan to release this statement by the Governor. It's been tweaked slightly since our review the other night, thanks to feedback from the Governor, Jim Redford and others.

"I've been briefed on the recent meeting of the task force studying the Flint water situation and I've read the report from the Office of the Auditor General on the processes used by DEQ to monitor Flint water.

"The bi-partisan task force has worked tirelessly to interview Flint, Genesee County, state and federal officials to complete its independent analysis. They are reviewing hundreds of documents at all levels of government and from the public health science community.

"I'd like to thank the task force for keeping me apprised of their continuing investigation. As they uncover more facts, it's clear to me we can do better. Their report may take another month or so, but if we need to make changes more swiftly, I plan to take immediate action.

"No matter what the testing requirements were, they were not enough to prevent this crisis.

"When it comes to matters of health and quality of life, we're committed to doing everything we can to protect the well-being of our citizens.

"I understand there can be disagreements within the scientific community. That is why I have told my directors at MDEQ and DHHS to invite every external scientist who has worked on the Flint water issue to the state laboratory facilities to work as partners with us. Together, we should be able to affirm that we're using the very best testing protocols to ensure Flint residents have safe drinking water and that we're doing proper monitoring and remediation of blood levels and other health impacts over the long term.

“I want the Flint community and all citizens of Michigan to know how very sorry I am that this has happened.

“But I know an apology isn’t enough. We’ve already allocated $10 million to test the water, distribute water filters, and help in other ways. On Thursday, I called Flint Mayor Karen Weaver, and we’re going to sit down in the next week to discuss other ways the state can offer assistance.

“I want to assure residents there that we will work hard to make things right.”

Meegan Holland
Director of Communications for Gov. Rick Snyder
Office: 517-335-6397
Mobile: [redacted]
Twitter: @meholland

From: Holland, Meegan (GOV)
Sent: Tuesday, December 29, 2015 1:21 PM
To: Posthumus, Dick (GOV); Walsh, John (GOV); Baird, Richard (GOV); Agen, Jarrod (GOV); Clement, Elizabeth (GOV); Scott, Allison (GOV); Hollins, Harvey (GOV); Calley, Brian (GOV); Redford, James (GOV)
Subject: Flint water statement

Here is a statement from the Governor that will go out around 2-2:30 p.m. to the media. We'll also give a heads up to executive staffers and some others. - Meegan

---

When I became aware that the city of Flint's water showed elevated lead levels and that the state's handling of the situation was being questioned, I requested funding to switch the source back to the Great Lakes Water Authority and appointed an independent task force to identify possible missteps and areas for improvement.

The task force has done an exceptional job, reviewing stacks of documents and interviewing scores of Flint, Genesee County, state and federal officials.

Although the task force's final report is not yet completed, it has made me aware of some interim findings and corrective steps that I have decided to take immediately in order to restore trust in how the state keeps its citizens safe and informed.

We'll continue to work with the community members to make sure we hear and respond to their concerns.

In addition, MDEQ Director Dan Wyant has offered his resignation, and I've determined that it's appropriate to accept it. I'm also making other personnel changes at MDEQ to address problems cited by the task force.

But changes in leadership and staff are not enough. I understand there can be disagreements within the scientific community. That is why I have directed both the departments of Environmental Quality and Health and Human Services to invite every external scientist who has worked on this issue to be our partners in helping us improve Flint water. Let's share research on water and blood lead level testing so we can arrive at accurate and mutually supported conclusions. Together, we should work to affirm that we're using the very best testing protocols to ensure Flint residents have safe drinking water and that we're taking steps to protect their health over the short and long term.

I want the Flint community to know how very sorry I am that this has happened. And I want all Michigan citizens to know that we will learn from this experience, because Flint is not the only city that has an aging infrastructure.

I know many Flint citizens are angry and want more than an apology. That's why I'm taking the actions today to ensure a culture of openness and trust. We've already allocated $10 million to test the water, distribute water filters, and help in other ways. Last week, I called Flint Mayor Karen Weaver, and we're going to meet soon to discuss other ways the state can offer assistance.

These are only initial steps - we fully expect to take more actions following the recommendations of our task force. When it comes to matters of health and quality of life, we're committed to doing everything we can to protect the well-being of our citizens.

Meegan Holland
Director of Communications for Gov. Rick Snyder

Office: 517-335-6397
Mobile: [redacted]
Twitter: @meholland

From: Biehl, Laura (GOV)
Sent: Tuesday, January 05, 2016 3:50 PM
To: [redacted]; Forstner, Nathaniel (GOV); Scott, Allison (GOV); Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Agen, Jarrod (GOV); Baird, Richard (GOV); Emmitt, Beth (GOV); Mcbride, Bill (GOV); Hollins, Harvey (GOV); Posthumus, Dick (GOV); Redford, James (GOV); Walsh, John (GOV)
Cc: Murray, David (GOV); Holland, Meegan (GOV)
Subject: FYI- Release going shortly re: Flint Emergency Declaration

Good afternoon,

Just wanted you all to know that we're issuing the following press release shortly regarding the Governor declaring an emergency in Genesee County and activating the State Emergency Operations Center. The declaration will be attached with it.

Thanks!

Gov. Snyder declares emergency for Genesee County

State Emergency Operations Center activated to assist with relief efforts

LANSING, Mich. – Gov. Rick Snyder today declared a state of emergency for Genesee County due to the ongoing health and safety issues caused by lead in the city of Flint's drinking water.

By declaring a state of emergency, Snyder has made available all state resources in cooperation with local response and recovery operations. The declaration authorizes the Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD) to coordinate state efforts.

"The health and welfare of Flint residents is a top priority and we're committed to a coordinated approach with resources from state agencies to address all aspects of this situation," Snyder said. "Working in full partnership with the Flint Water Advisory Task Force, all levels of government and water quality experts, we will find both short-term and long-term solutions to ensure the health and safety of Flint residents."

In addition to the emergency declaration, Snyder activated the State Emergency Operations Center to coordinate state response and recovery activities. State agencies will report to the center to coordinate resources, assess the situation and begin providing assets to assist with local relief operations.

"Our staff recognizes the urgency of this situation and is already working closely with local officials," said Capt. Chris A. Kelenske, Deputy State Director of Emergency Management and Homeland Security and commander of the MSP/EMHSD. "We will continue to collaborate with state, city and county leaders to coordinate relief efforts, streamline communication and use all available resources to help residents."

On Jan. 4, Genesee County declared a "local state of emergency," which activated local

emergency response and recovery plans. By requesting a governor's declaration, the county has determined local resources are insufficient to address the situation and state assistance is required to protect public health, safety and property to lessen or avert the threat of a crisis.

The city of Flint has been under a local emergency declaration since Dec. 14, 2015.

The SEOC is the emergency operations center for the state of Michigan. Located in Lansing, the center is overseen by the MSP/EMHSD and coordinates response and recovery efforts by state agencies and local government. The SEOC is staffed by members of state agencies and other partners for decision making and information coordination during disasters or emergencies in the state of Michigan.

###

Laura Biehl
Deputy Press Secretary
Executive Office of Michigan Gov. Rick Snyder
George W. Romney Building
111 S. Capitol Ave.
Lansing, MI 48933
Office: 517-335-6397
Cell: [redacted]
BiehlL@Michigan.gov

From: Ellison, Melanie (GOV)
Sent: Thursday, April 18, 2013 1:52 PM
To: Hall, Jean (GOV); Emmitt, Beth (GOV)
Cc: Wisniewski, Wendy (GOV); Clayton, Stacie (GOV); Clayton, Stacie (GOV); Larkin, Brian (GOV)
Subject: RE: Water Meeting Tomorrow
Attachments: Flint Background for Governor.pdf

I have attached the general Flint update from Treasury. There is a brief paragraph about the water issue, but we are looking for a briefing specifically on the water issue.

The Governor has a meeting in the morning with the Mayor, EM, City Administrator, and President of City Council where the water issue may be brought up. However, Col. Etue will also be attending so they will be discussing other topics concerning Flint (which is why I have the general update from Treasury). MSP is getting me a general update too.

Brian Larkin is working on the agenda and a briefing for the couple morning meetings in Flint.

For the afternoon meeting - we need a briefing on the combined Flint/Detroit water issue.

Please let me know if you have further questions.

Thank you,

Melanie

-----Original Message-----
From: Hall, Jean (GOV)
Sent: Thursday, April 18, 2013 1:46 PM
To: Emmitt, Beth (GOV)
Cc: Ellison, Melanie (GOV); Wisniewski, Wendy (GOV); Clayton, Stacie (GOV); Clayton, Stacie (GOV)
Subject: RE: Water Meeting Tomorrow
Importance: High

O.K. I was confused- Bill is working on one for Flint, but can also do one for the Detroit meeting if needed. He is working with Brom at Treasury on the Flint briefing. HOWEVER, he thought Wendy may have also requested something from Treasury for tomorrow's Detroit meeting since Dennis set it up. Staci do you have anything to add to this?

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
(517) 241-5493
Hallj16@michigan.gov

-----Original Message-----

From: Emmitt, Beth (GOV)
Sent: Thursday, April 18, 2013 1:41 PM
To: Hall, Jean (GOV)
Cc: Ellison, Melanie (GOV)
Subject: RE: Water Meeting Tomorrow

Ok - I wanted to see if Treasury was sending something too. Is Bill working with them directly?

-----Original Message-----
From: Hall, Jean (GOV)
Sent: Thursday, April 18, 2013 1:40 PM
To: Emmitt, Beth (GOV)
Subject: RE: Water Meeting Tomorrow

Bill is working on it -knows the deadline is 4 p.m.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
(517) 241-5493
Hallj16@michigan.gov

-----Original Message-----
From: Emmitt, Beth (GOV)
Sent: Thursday, April 18, 2013 1:37 PM
To: Hichez, Amy (Treasury)
Cc: Clayton, Stacie (GOV); Ellison, Melanie (GOV); Rustem, William (GOV); Hall, Jean (GOV)
Subject: Water Meeting Tomorrow

Are we going to have a briefing on this tonight from Treasury?

89 (Rev. 02-11)

STATE OF MICHIGAN
DEPARTMENT OF TREASURY
LANSING

RICK SNYDER
GOVERNOR

ANDY DILLON
STATE TREASURER

Date: April 18, 2013

To: Andy Dillon
State Treasurer

From: Roger Fraser
Deputy State Treasurer

Subject: City of Flint Background Information

Pursuant to your request I am providing a status report regarding important issues facing the city.

BUDGET

- The administration anticipates the FY 2013 budget will remain balanced through the end of the fiscal year.
- The current budget reduced the City's workforce by 150 positions (20 percent).
- The City's five year deficit elimination plan anticipates an emergency loan application of $12 million to address the $19.3 million accumulated deficit. The remainder of the unrestricted accumulated general fund deficit will be eliminated through $7.1 million in reductions.
- The administration anticipates the FY 2014 will be balanced by making $3 million of reductions despite a 14% loss in taxable value.
- 70% of the General fund expenses are for Police, Fire, 911 and the Court.
- Ernst & Young will assist the EM is preparing a 5 year financial plan in accordance with the DEP.

POLICE

- Voters approved a 6 mill public safety millage in November and 6 police officers have been hired to date and 5 positions still remain to be filled.
- Reorganization of the FPD has reduced response times and increased the rate of solving homicides to 70%.
- City successfully allowing out-county units to use the city's lock up.
- MSP continues to provide 24/7 support to the city and will increase staffing from 18 to 25.

FIRE

- Average number of fires per day 5-7.
- New Fire Chief hired, former Flint fire employee.
- False alarms are down 75% after EM began billing alarm companies for false alarms

BLIGHT

- The city has 9,000 vacant structures
- Over 600 structures have been demolished

- City is losing demolition money because Consumers Power cannot provide adequate manpower to cut & cap due to union issues.
- MSHDA is applying for $100 million in demolition funding for 5 local units including Flint. Anticipate work beginning this summer if grant application is successful.

WATER

- EM signed a resolution to enter into and sign a contract with KWA.
- Water theft is a significant issue and administration plans to address it in the next 90 days.
- Water rates have been raised 118% over the past 2 years and is an issue with residents
- Effective 7/1/13 EM will eliminate the "readiness to serve charge" ($53) for any water customer who meets the state poverty exemption requirements.
- DWSD attempting to cancel current contract with Flint and institute increased charges to the city during construction of KWA.

PENSION

- Overall annual contribution is $17.4million, which has increased as work force has been reduced.
- General fund annual contribution is approximately $8 million.

SOLID WASTE COLLECTION

- City outsourced collection of solid waste during March 2013, the low bidder hired 20 former DPW employees and the transition has been seamless. The firm will provide recycling this summer.

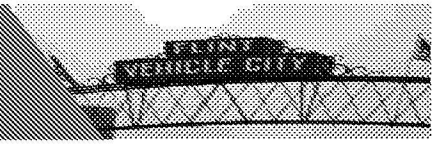
OPEB LAWSUIT

- A Federal District Judge recently granted (6 retirees) plaintiffs' motion for a preliminary injunction in response to changes implemented to retiree healthcare by the former EM. This action stops the modifications to the City of Flint's retirees' health care benefits from going into effect.

MAYOR AND COUNCIL

- The EM has restored the Mayor's salary and intends to reinstate the salary of city council. Council's restoration will be predicated upon complying with certain criteria (training, active cooperation with the EM and consideration of major city initiatives i.e. master plan, KWA).

Our Understanding of the Situation



The City of Flint continues to face challenges from an extended economic downturn which has resulted in continued significant decline in property valuations, population loss and an aging infrastructure

- Economic headwinds
  - Property valuations have decreased 50% since 2002 to from ~$1,800 million to ~$900 million in 2012
  - The City's population has declined 18% to 102,434 in 2010 since 2000
    - The housing vacancy rate is 21%
    - The owner occupied housing rate is 45%

- Retiree related expenses escalating
  - The City of Flint currently provides healthcare benefits for 1,560 retirees costing approximately $17,000 per employee
    - *On March 29th, a Detroit Federal District Court judge issued a temporary injunction against changes to retiree healthcare benefits*
  - 1,741 individuals participate in the City's pension plans. All retiree pension plans are expected to be transferred from the Flint Employees' Retirement System to the Michigan Employees' Retirement System
  - The current unfunded OPEB liability stands at $367 million as of June 30, 2012 and the Pension UAAL stands at ~$268 million as of the 2010 actuary report.

- Increased property tax millage and fees proposed to result in $25 million of additional revenue to balance FY 2012 budget
  - 25% increase in Water and Sewer rates
  - 6 mill property tax increase for Fire and Police to provide funding in lieu of lost grant revenue
  - Special assessment for street lighting
  - Addition of waste collection fee to replace existing millage

- $21 million reduction in personnel expenses for FY 2013 budget intended to balance the budget
  - $17 million reduction through wage concessions and headcount reduction
    - Budget assumes 20% reduction across all bargaining units although only 3 of 6 BU's have agreed to date
  - $4 million savings from converting the pre-65 retiree health benefit plan to the active's plan and transferring post-65 retirees to Medicare Advantage (these changes are subject to the temporary injunction)

Our Understanding of the Situation –
Foundations for a greater "Quality of Life"

While leadership has implemented changes that will begin to shape Flint's future, a long-term view must be canvassed to determine required levels of reinvestment resulting in an improved quality of life ("QOL") for citizens

<u>Short-term fiscal changes</u>

The City of Flint has made many fiscal changes to balance the budget and reduce the deficit including:

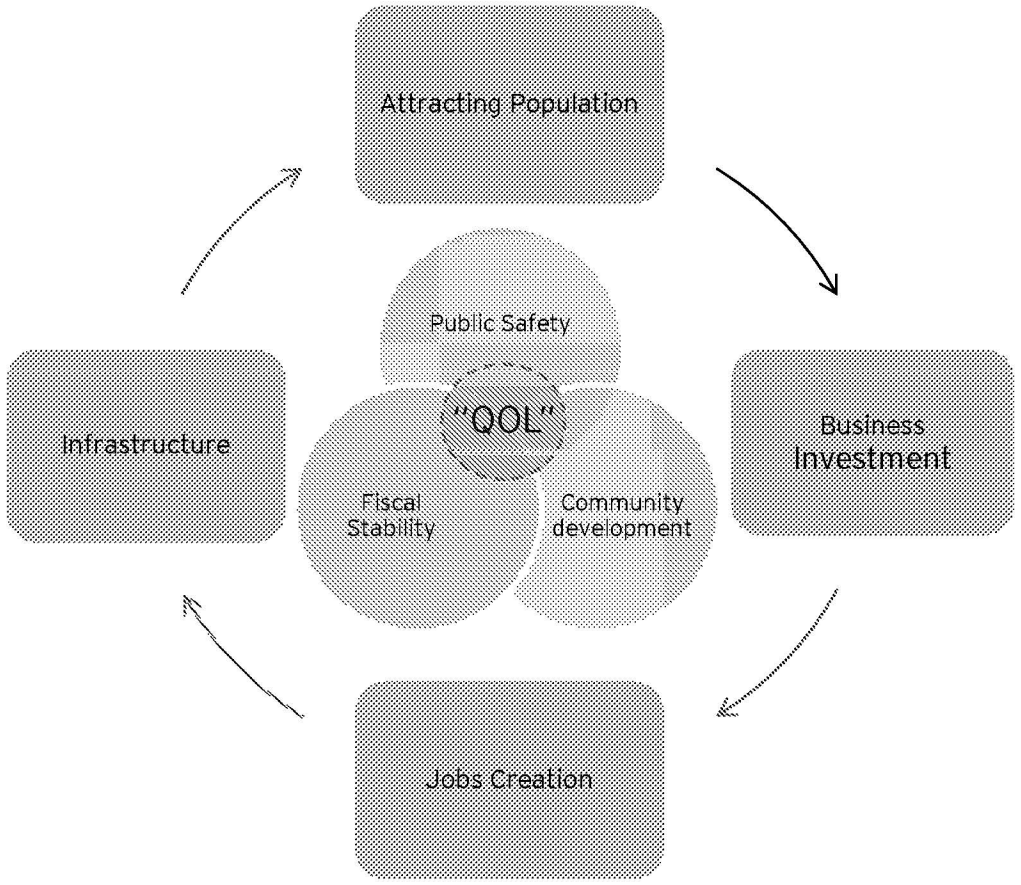
- Increasing certain taxes and fees to cover the operating costs of Flint's core services
- Reducing headcount
- Working with labor and sharing sacrifice across pension and healthcare benefits to generate savings
- Updating IT infrastructure as well as reviewing back-office and shared services to drive efficiency

<u>Long-term reinvestment for sustainable future</u>

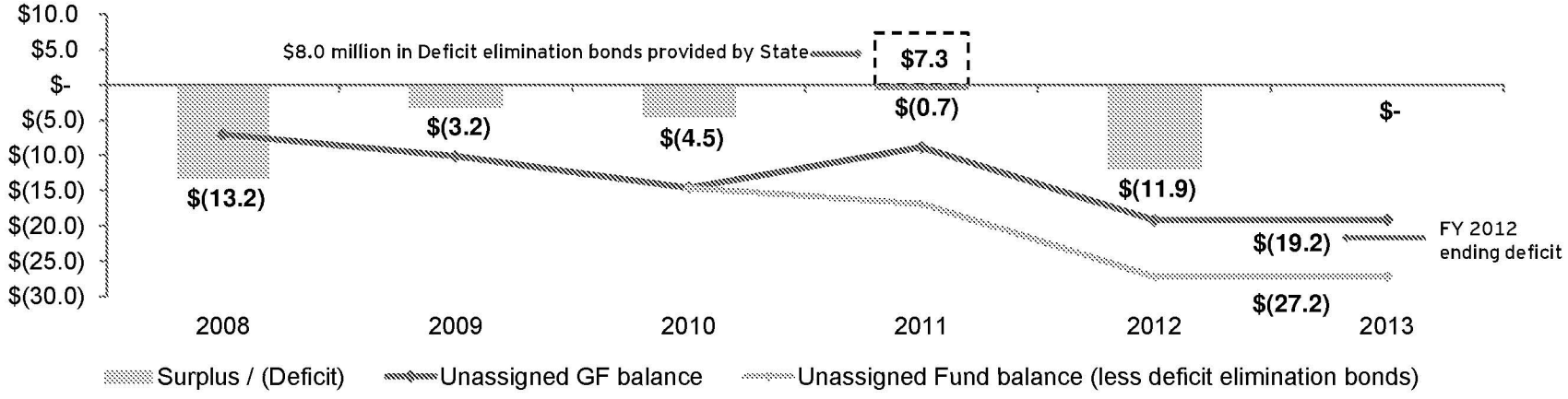
The City's 5-year plan must now turn towards sustainability to ensure the long-term plan will be in the best interest of the citizens

- What levels of reinvestment in infrastructure and community development will attract jobs and population growth?
- When and how should capital be deployed to maintain fiscal stability and foster change
- What additional changes can be made to provide the necessary capital for reinvestment?
  - Public/private partnerships
  - Leveraging State and Federal mechanisms

<u>Investing for a sustainable future</u>



City of Flint - General Fund



$ in millions	Actual					Budget
General Fund	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**
Total Revenues	$ 66.8	$ 63.9	$ 57.2	$ 67.2	$ 51.5	$ 57.5
Total Expenses	(79.5)	(66.7)	(64.7)	(67.3)	(61.7)	(57.5)
Other	(0.6)	(0.5)	3.0	7.5	(1.7)	-
Surplus / (Deficit)	**$ (13.2)**	**$ (3.2)**	**$ (4.5)**	**$ 7.3**	**$ (11.9)**	**$ -**
Less deficit elimination bonds				**$ (0.7)**		
Reserved Fund balance	0.2	-	-	1.6	-	-
Unassigned GF balance	(7.0)	(10.1)	(14.6)	(8.9)	(19.2)	(19.2)
Less deficit elimination bonds			(14.6)	(16.9)	(27.2)	(27.2)
Ending Fund Balances	**$ (6.9)**	**$ (10.1)**	**$ (14.6)**	**$ (7.3)**	**$ (19.2)**	**$ (19.2)**

The City's General Fund has received cash advances from the Water and Sewer Funds to meet its cash obligations

	Non-major Gov't	Internal Service	Sewage Disposal	Water Supply	Total
Due to balances	$ 1.8	9.1	$ 10.0	$ 1.0	$ 21.9

Note: 2013 budget estimates per FY 2012-13 Budget Plan

From: Ellison, Melanie (GOV)
Sent: Thursday, April 18, 2013 4:20 PM
To: Tedder, Greg (GOV); Brader, Valerie (GOV); Hollins, Harvey (GOV); Clayton, Stacie (GOV); Larkin, Brian (GOV)
Cc: Rustem, William (GOV); Hall, Jean (GOV)
Subject: Flint Water System
Attachments: Memo Flint Water System 130418 (3).pdf

Team:

Attached is a memo from Bill Rustem regarding the Flint Water System. Because there are outside departments included on the calendar appointment, this will only be in the Governor's briefing tonight so we wanted to make sure you had it as well.

Please let me know if you have any questions.

Thanks,

Melanie Ellison
Office of Governor Rick Snyder
O: 517-373-0504

TO: Governor Snyder
CC: Dennis Muchmore, John Roberts, Harvey Hollins, Allison Scott

FROM: Bill Rustem

SUBJECT: Flint Water System

DATE: April 18, 2013

Governor, this information was compiled by the Department of Treasury.

Summary

In November 2012 the Department of Treasury commissioned the firm of Tucker, Young, Jackson & Tull, Inc. (TYJT) to analyze options for the City of Flint to either remain a customer of the Detroit Water & Sewer Department (DWSD) or to join the Karegnondi Water Authority (KWA) in Genesee County. The purpose of this study was to provide objective analyses to the State Treasurer and Flint's Emergency Financial Manager (EFM) in order to secure future potable drinking water for the City.

In December 2012, staff from TYJT met with representatives from the Department of Treasury and the City of Flint to provide a preliminary report on their findings. At this meeting, five options were presented: These options ranged from the Flint Water Plant providing 100% water, to 100% provision of untreated Lake Huron Water by KWA, to 100% provision of treated drinking water by DWSD, or provision of variable amounts of water from DWSD using a combination of blended DWSD water and Flint River water.

From the presentation of the preliminary report in December 2012 to the submission of the final report by TYJT in January 2013, a number of developments made arriving at a final decision very difficult.

- DWSD provided the City of Flint with at least two modified proposals to consider.
- A debate ensued between TYJT and KWA's principal engineering firm regarding the others' conclusions and estimates for construction of the KWA pipeline.
- The Flint EFM eliminated all options except the 100% DWSD option or joining KWA.

In January 2013, the Office of Financial Review (OFR) provided a comprehensive report to the State Treasurer analyzing three questions: 1) The projected construction costs and why Treasury believed the projections provided by Flint/KWA were acceptable; 2) Identification of the construction contingencies; and 3) Identification of the options Flint will utilize in the event of a construction cost overrun or a delay in construction. At the end of this report, the OFR recommended to the State Treasurer that KWA presented the best future option for future potable water. The OFR also concluded that KWA appeared to be the cheaper option; the quality of water would improve; Genesee County appeared willing to assist the City in securing the financing for their portion of the project; the KWA project could signify the beginning of better collaboration between the City of Flint and Genesee County; and the KWA project had both political and popular support.

Between January and April, intense scrutiny of the various proposals was undertaken by Treasury and Flint officials. Treasury officials met with officials from Genesee County to gain a better understanding of the KWA project. In February 2013, Genesee County opened bids for construction of the Lake Huron intakes. This bid opening represented the first meaningful step toward commencing construction of the KWA system. The bid was $3-million less than projected.

In March 2013, Treasury was notified that DWSD had contacted Flint to negotiate with the City to retain them as a customer. On April 12, 2013, the State Treasurer authorized the Flint EFM to join KWA, pending review of any final offer from DWSD. A final offer was received from DWSD on April 15, 2013.

DWSD's final offer provided two options. The first option was for a "supply only" rate schedule. Only water treatment costs would be recovered and DWDS would absorb all other delivery costs. Capital and operating revenue charges would be calculated based upon KWA's usage relative to the entire demand upon DWSD's Lake Huron WTP. KWA would also have the ability to construct and own its own transmission lines.

The second option was a "full service" rate option. DWSD would provide all production and transmission services. Transmission rates would be calculated only on those costs necessary to supply KWA and no additional transmission rates would be charged. Capital and operating revenue charges would be calculated based upon KWA's usage relative to the entire demand upon the Lake Huron WTP.

Independent analyses of DWSD's final offer by the OFR, the Flint EFM, and the Department of Environmental Quality (DEQ) generally reached the same conclusions:

- DWSD's offer was a framework subject to negotiations and was not a firm offer.
- The offer provided by DWSD was incomplete.
- DWSD's offer did not include a guaranteed rate beyond year one, nor did it limit maximum annual rate increases.
- The DWSD scenarios were based on 40 MGD of service capacity. However, the KWA project provides 60 MGD of initial capacity with potential expansion to 75 MGD.
- DWSD indicates that Flint/ Genesee County would be given "broadened representation," it is unclear exactly what this means in terms of actual control in the decision making processes.
- The DWSD offer relies on a single transmission system and would require the City of Flint to maintain its WTP for emergency purposes. In addition, it would leave Genesee County without an adequate backup supply to meet their needs.
- DWSD's offer included an attachment that listed the rank-ordered options (from cheapest to most expensive). DWSD Scenario 2 is listed as the least expensive option (but it is unclear how the total cost of this option was arrived at). DWSD Scenario 1 was not listed.
- DWSD provided a summary table of their unit costs but how these figures are arrived at was not clear, so analysis proved difficult.

Without specific details from DWSD on this proposal, a true comparative analysis is difficult to provide. As such the Flint EFM rejected the DWSD proposal and agreed to join KWA.

If further information on this issue is needed, please let me know.

From: Ellison, Melanie (GOV)
Sent: Thursday, April 18, 2013 4:24 PM
To: Hall, Jean (GOV)
Subject: RE: Flint Water System

Thanks! Minus Harvey they will all get the briefing tonight but the others won't so I wanted them to have it too ☺

From: Hall, Jean (GOV)
Sent: Thursday, April 18, 2013 4:24 PM
To: Ellison, Melanie (GOV)
Subject: RE: Flint Water System

FYI....I also sent them memo to Dennis Muchmore, John Roberts, Harvey and Allison -- since they were cc'd ☺

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
(517) 241-5493
Hallj16@michigan.gov

From: Ellison, Melanie (GOV)
Sent: Thursday, April 18, 2013 4:20 PM
To: Tedder, Greg (GOV); Brader, Valerie (GOV); Hollins, Harvey (GOV); Clayton, Stacie (GOV); Larkin, Brian (GOV)
Cc: Rustem, William (GOV); Hall, Jean (GOV)
Subject: Flint Water System

Team:

Attached is a memo from Bill Rustem regarding the Flint Water System. Because there are outside departments included on the calendar appointment, this will only be in the Governor's briefing tonight so we wanted to make sure you had it as well.

Please let me know if you have any questions.

Thanks,

Melanie Ellison
Office of Governor Rick Snyder
O: 517-373-0504

Subject:	RDS/GT/VB - KWA & DWSD (Water) Meeting
Location:	Governor's SE MI Office
Start:	Fri 4/19/2013 3:00 PM
End:	Fri 4/19/2013 4:30 PM
Show Time As:	Tentative
Recurrence:	(none)
Meeting Status:	Not yet responded
Organizer:	GovCalendar
Required Attendees:	Hichez, Amy (Treasury); Muchmore, Dennis (GOV); Wisniewski, Wendy (GOV); Rustem, William (GOV); Brader, Valerie (GOV); Tedder, Greg (GOV)
Optional Attendees:	Clayton, Stacie (GOV); Thelen, Mary Beth (DEQ)

[redacted]

[redacted]

Host: [redacted] – SClayton to dial in as Host

Attendees:
RDS/GT in person, Val Brader by phone
Mr. Orr by phone
Harvey Hollins by phone or in person
Attending from DWSD: Jim Fausone, Sue McCormick (Director), Nikki Bateson (CFO)
Attending from Flint: Ed Kurtz and Flint Mayor Dayne Walling
Attending from Treasury: Andy Dillon, Amy Hichez
Attending from DEQ: Dan Wyant
George Karmo from Tucker Young Jackson Tull Inc

From: VanSickle, Michele (GOV)
Sent: Monday, October 12, 2015 2:47 PM
To: Wisniewski, Wendy (GOV); Hall, Jean (GOV)
Subject: RE: Flint next steps meeting

yes

Michele VanSickle
Executive Assistant for Richard Baird and Mike Finney Executive Office of Governor Rick Snyder
[redacted]
vansicklem2@michigan.gov

-----Original Message-----
From: Wisniewski, Wendy (GOV)
Sent: Monday, October 12, 2015 2:38 PM
To: VanSickle, Michele (GOV) <vansicklem2@michigan.gov>; Hall, Jean (GOV) <hallj16@michigan.gov>
Subject: FW: Flint next steps meeting

Can you guys hold 11:30 a.m. on Wednesday for this while I find out if it works for Nick & Dan

-----Original Message-----
From: Agen, Jarrod (GOV)
Sent: Monday, October 12, 2015 2:05 PM
To: Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>
Cc: Clement, Elizabeth (GOV) <clemente@michigan.gov>
Subject: Flint next steps meeting

Wendy,

Can we arrange a meeting in next couple days to discuss next steps with Flint and the after action report for water testing.

Need to have Dennis, Beth, and me (or two of the three).

Rich
Dan Wyant
Nick Lyon
Harvey
Walsh
Wurfel/Murray
Redford
Dick

Thanks
Jarrod

From: Murray, David (GOV)
Sent: Wednesday, October 21, 2015 1:00 PM
To: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Posthumus, Dick (GOV); Baird, Richard (GOV); Calley, Brian (GOV); Forstner, Nathaniel (GOV); Saunders, Kelli (GOV); Redford, James (GOV); Mcbride, Bill (GOV); Hollins, Harvey (GOV); Walsh, John (GOV)
Cc: Agen, Jarrod (GOV); Wurfel, Sara (GOV); Scott, Allison (GOV); Wisniewski, Wendy (GOV); Hall, Jean (GOV)
Subject: Please review: Flint Water Task Force release

Team,

Here's the release announcing the Flint Water Task Force. Members met this morning and had considerable input in this. Our plan is to issue the release around 2:30 p.m. Please let me know if you have suggested changes.

Thank you!

Dave

Gov. Rick Snyder announces Flint Water Task Force to review state, federal and municipal actions, offer recommendations

Experts in public health, water management, environmental protection to focus on steps to protect residents

LANSING, Mich. – Gov. Rick Snyder today announced the creation of an independent advisory task force charged with reviewing actions regarding water use and testing in Flint and offer recommendations for future guidelines to protect the health and safety of all state residents.

Task force members include experts in public health and medicine, water management, and environmental protection from both sides of the aisle, and will be co-chaired by Ken Sikkema of Public Sector Consultants and Chris Kolb, of the Michigan Environmental Council. Also serving will be Dr. Matthew Davis of the University of Michigan Health System, Eric Rothstein, of the Galardi Rothstein Group and Dr. Lawrence Reynolds of Mott Children's Health Center in Flint.

"Transitioning back to the Detroit Water and Sewerage Department-Great Lakes Water Authority is a good first step to protecting public health in Flint, but it's not the last step," Snyder said. "Bringing in outside experts to evaluate our actions and help monitor and advise on potential changes to law, procedures and practices will be key to continuing work on the comprehensive action plan and ensuring safe drinking water for all the residents in Flint and all of Michigan."

Snyder said the administration will fully cooperate with task force members, saying he wants an unbiased report focusing on steps taken in the past and recommendations that could improve practices to ensure all residents have access to safe, clean water.

Ken Sikkema is a senior policy fellow at Public Sector Consultants, where he specializes in public finance, environment, and energy policy. Prior to joining the firm, Sikkema served in both the Michigan House and Senate, culminating with four years as Senate majority leader. He has also served as both an adjunct and visiting professor at Grand Valley State University.

Chris Kolb is president of the Michigan Environmental Council, a statewide coalition of 70 environmental, public health and faith-based nonprofit groups. Before joining the MEC, Kolb represented Ann Arbor in the state House for six years and served six years on the Ann Arbor City Council. He has been president of the MEC for six years.

Matthew Davis, M.D., M.A.P.P., is professor of pediatrics and internal medicine at the University of Michigan Health System and professor of public policy at the Gerald R. Ford School at the University of Michigan, having joined the faculty in 2000. Davis also is a professor of health management and policy at the School of Public Health. He previously served as the chief medical executive of the Michigan Department of Community Health/Department of Health and Human Services.

Eric Rothstein is a national water issues consultant and principal at the Galardi Rothstein Group. He served as an independent advisor on the creation of the Great Lakes Water Authority. Rothstein also has served as Jefferson County, Alabama's rate consultant and municipal adviser for litigation related to the county's bankruptcy and issuance of $1.7 billion in sewer warrants and led strategic financial planning for the City of Atlanta's Department of Watershed Management. He has more than 30 years of experience in water, wastewater and stormwater utility finance and rate-making assessments.

Lawrence Reynolds, M.D., is a pediatrician in Flint who serves as president of the Mott Children's Health Center. He received his medical degree from Howard University College of Medicine and has been in practice for 36 years. He has served as president of the Genesee County Medical Society and the Michigan Chapter of the American Academy of Pediatrics. He has been honored for his humanitarian and advocacy efforts on behalf of children from the Community Foundation of Greater Flint.

Snyder has said reconnecting with the authority is a critical step to resolving water quality issues and addressing related health concerns. It will not immediately resolve the city's problem with lead service lines or aging infrastructure. It will take time for pipes in Flint to become coated with the phosphate corrosion control.

To best protect public health, state and local authorities will continue to carry out steps outlined on Oct. 2 in a comprehensive action plan, including continued testing, the use of faucet filters and providing residents with accurate information about steps to eliminate lead exposure. The Michigan Departments of Environmental Quality and Health and Human Services are continuing to provide free water filters, free lead testing through the state laboratory for Flint water customers, and hiring additional staff to conduct health exposure monitoring for lead in drinking water.

####

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397, office
[redacted] mobile
Twitter:@michigandmurray

From: Brownfield, Michael (GOV)
Sent: Wednesday, November 04, 2015 7:58 AM
To: Hall, Jean (GOV)
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Looks fine to me, but given the subject matter I think you probably want to get a sign off from someone who has been plugged into this issue (Beth or Jarrod, I guess.)

From: Hall, Jean (GOV)
Sent: Tuesday, November 03, 2015 4:44 PM
To: Muchmore, Dennis (GOV); Mcbride, Bill (GOV); Agen, Jarrod (GOV); Walsh, John (GOV)
Cc: Scott, Allison (GOV); Clement, Elizabeth (GOV); Khouri, Claire (GOV); Wurfel, Sara (GOV); Brown, Eric (GOV); Blackwell, Rob (GOV); Arwood, Cheri (GOV); Hansen, Rachel (GOV); Taylor, Nicole (GOV); Brownfield, Michael (GOV); Redford, James (GOV); Wisniewski, Wendy (GOV); Thomet, Ruth (GOV); Stoken, Laura (GOV); Kennedy, Jordan (GOV); Lukasik, Liz (GOV); Weber, Travis (GOV); Ayers, Angela (GOV)
Subject: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Hello All,

DEQ is seeking the Governor's signature on the attached letter to Dr. Susan Hedman, Regional Administrator, USEPA, Region 5. The letter designates Jim Sygo, Chief Deputy Director, MDEQ as the DEQ point person for the USEPA – Region 5 Flint Safe Drinking Water Task Force.

For your reference, DEQ provided the attached Transmittal Form , along with a copy of the October 21 Flint Drinking Water Action Plan Update which includes a summary about the conference call with USEPA and MDEQ where the USEPA requested this letter. The attachment also includes the USEPA's October 16 press release about the establishment of the Task Force (see yellow highlighted text in both attachments)

Your approval, input, and/or changes are needed by EOB by **Tues. 11.10.15.**

If you have any questions or need additional background information, please let me know.

Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hallj15@michigan.gov
517-241-5493

From: Wisniewski, Wendy (GOV)
Sent: Wednesday, November 04, 2015 8:11 AM
To: Hall, Jean (GOV)
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Beth hasn't been involved in Flint water at all. Just Dennis and Jarrod

---

From: Hall, Jean (GOV)
Sent: Wednesday, November 04, 2015 8:04 AM
To: Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>
Subject: FW: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Good Morning!

Can you please make sure Jarrod and Beth look at this? See Mike's comments below.

Thanks!

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
HallJ16@michigan.gov
517-241-5493

From: Brownfield, Michael (GOV)
Sent: Wednesday, November 04, 2015 7:58 AM
To: Hall, Jean (GOV) <hallj16@michigan.gov>
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Looks fine to me, but given the subject matter I think you probably want to get a sign off from someone who has been plugged into this issue (Beth or Jarrod, I guess.)

From: Hall, Jean (GOV)
Sent: Tuesday, November 03, 2015 4:44 PM
To: Muchmore, Dennis (GOV); Mcbride, Bill (GOV); Agen, Jarrod (GOV); Walsh, John (GOV)
Cc: Scott, Allison (GOV); Clement, Elizabeth (GOV); Khouri, Claire (GOV); Wurfel, Sara (GOV); Brown, Eric (GOV); Blackwell, Rob (GOV); Arwood, Cheri (GOV); Hansen, Rachel (GOV); Taylor, Nicole (GOV); Brownfield, Michael (GOV); Redford, James (GOV); Wisniewski, Wendy (GOV); Thomet, Ruth (GOV); Stoken, Laura (GOV); Kennedy, Jordan (GOV); Lukasik, Liz (GOV); Weber, Travis (GOV); Ayers, Angela (GOV)
Subject: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Hello All,

DEQ is seeking the Governor's signature on the attached letter to Dr. Susan Hedman, Regional Administrator, USEPA, Region 5. The letter designates Jim Sygo, Chief Deputy Director, MDEQ as the DEQ point person for the USEPA – Region 5 Flint Safe Drinking Water Task Force.

For your reference, DEQ provided the attached Transmittal Form , along with a copy of the October 21 Flint Drinking Water Action Plan Update which includes a summary about the conference call with USEPA and MDEQ where the USEPA requested this letter. The attachment also includes the USEPA's October 16 press release about the establishment of the Task Force (see yellow highlighted text in both attachments)

Your approval, input, and/or changes are needed by EOB by **Tues. 11.10.15.**

If you have any questions or need additional background information, please let me know.

Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
HallJ15@michigan.gov
517-241-5493

From: Mcbride, Bill (GOV)
Sent: Wednesday, November 04, 2015 8:57 AM
To: Hall, Jean (GOV)
Cc: Taylor, Nicole (GOV)
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

ok

From: Hall, Jean (GOV)
Sent: Tuesday, November 03, 2015 4:44 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Mcbride, Bill (GOV) <mcbrideb@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>
Cc: Scott, Allison (GOV) <scotta12@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Khouri, Claire (GOV) <KhouriC@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Brown, Eric (GOV) <BrownE15@michigan.gov>; Blackwell, Rob (GOV) <Blackwellr2@michigan.gov>; Arwood, Cheri (GOV) <ArwoodC@michigan.gov>; Hansen, Rachel (GOV) <hansenr3@michigan.gov>; Taylor, Nicole (GOV) <TaylorN7@michigan.gov>; Brownfield, Michael (GOV) <BrownfieldM2@michigan.gov>; Redford, James (GOV) <RedfordJ@michigan.gov>; Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>; Thomet, Ruth (GOV) <ThometR@michigan.gov>; Stoken, Laura (GOV) <StokenL@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Lukasik, Liz (GOV) <LukasikL@michigan.gov>; Weber, Travis (GOV) <WeberT7@michigan.gov>; Ayers, Angela (GOV) <AyersA@michigan.gov>
Subject: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15
Importance: High

Hello All,

DEQ is seeking the Governor's signature on the attached letter to Dr. Susan Hedman, Regional Administrator, USEPA, Region 5. The letter designates Jim Sygo, Chief Deputy Director, MDEQ as the DEQ point person for the USEPA – Region 5 Flint Safe Drinking Water Task Force.

For your reference, DEQ provided the attached Transmittal Form , along with a copy of the October 21 Flint Drinking Water Action Plan Update which includes a summary about the conference call with USEPA and MDEQ where the USEPA requested this letter. The attachment also includes the USEPA's October 16 press release about the establishment of the Task Force (see yellow highlighted text in both attachments)

Your approval, input, and/or changes are needed by EOB by **Tues. 11.10.15.**

If you have any questions or need additional background information, please let me know.

Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy

Executive Office of Governor Rick Snyder
Hall16@michigan.gov
517-241-5493

From: Wisniewski, Wendy (GOV)
Sent: Wednesday, November 04, 2015 10:07 AM
To: Hall, Jean (GOV)
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Dennis is ok with this

From: Hall, Jean (GOV)
Sent: Tuesday, November 03, 2015 4:44 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Mcbride, Bill (GOV) <mcbrideb@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>
Cc: Scott, Allison (GOV) <scotta12@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Khouri, Claire (GOV) <KhouriC@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Brown, Eric (GOV) <BrownE15@michigan.gov>; Blackwell, Rob (GOV) <Blackwellr2@michigan.gov>; Arwood, Cheri (GOV) <ArwoodC@michigan.gov>; Hansen, Rachel (GOV) <hansenr3@michigan.gov>; Taylor, Nicole (GOV) <TaylorN7@michigan.gov>; Brownfield, Michael (GOV) <BrownfieldM2@michigan.gov>; Redford, James (GOV) <RedfordJ@michigan.gov>; Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>; Thomet, Ruth (GOV) <ThometR@michigan.gov>; Stoken, Laura (GOV) <StokenL@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Lukasik, Liz (GOV) <LukasikL@michigan.gov>; Weber, Travis (GOV) <WeberT7@michigan.gov>; Ayers, Angela (GOV) <AyersA@michigan.gov>
Subject: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15
Importance: High

Hello All,

DEQ is seeking the Governor's signature on the attached letter to Dr. Susan Hedman, Regional Administrator, USEPA, Region 5. The letter designates Jim Sygo, Chief Deputy Director, MDEQ as the DEQ point person for the USEPA – Region 5 Flint Safe Drinking Water Task Force.

For your reference, DEQ provided the attached Transmittal Form , along with a copy of the October 21 Flint Drinking Water Action Plan Update which includes a summary about the conference call with USEPA and MDEQ where the USEPA requested this letter. The attachment also includes the USEPA's October 16 press release about the establishment of the Task Force (see yellow highlighted text in both attachments)

Your approval, input, and/or changes are needed by EOB by **Tues. 11.10.15.**

If you have any questions or need additional background information, please let me know.

Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder

Hall16@michigan.gov
517-241-5493

From: Wisniewski, Wendy (GOV)
Sent: Wednesday, November 04, 2015 10:14 AM
To: Hall, Jean (GOV)
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Already in CTS too. ☺

From: Hall, Jean (GOV)
Sent: Wednesday, November 04, 2015 10:08 AM
To: Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hallj16@michigan.gov
517-241-5493

From: Wisniewski, Wendy (GOV)
Sent: Wednesday, November 04, 2015 10:07 AM
To: Hall, Jean (GOV) <hallj16@michigan.gov>
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Dennis is ok with this

From: Hall, Jean (GOV)
Sent: Tuesday, November 03, 2015 4:44 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Mcbride, Bill (GOV) <mcbrideb@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>
Cc: Scott, Allison (GOV) <scotta12@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Khouri, Claire (GOV) <KhouriC@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Brown, Eric (GOV) <BrownE15@michigan.gov>; Blackwell, Rob (GOV) <Blackwellr2@michigan.gov>; Arwood, Cheri (GOV) <ArwoodC@michigan.gov>; Hansen, Rachel (GOV) <hansenr3@michigan.gov>; Taylor, Nicole (GOV) <TaylorN7@michigan.gov>; Brownfield, Michael (GOV) <BrownfieldM2@michigan.gov>; Redford, James (GOV) <RedfordJ@michigan.gov>; Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>; Thomet, Ruth (GOV) <ThometR@michigan.gov>; Stoken, Laura (GOV) <StokenL@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Lukasik, Liz (GOV) <LukasikL@michigan.gov>; Weber, Travis (GOV) <WeberT7@michigan.gov>; Ayers, Angela (GOV) <AyersA@michigan.gov>
Subject: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15
Importance: High

Hello All,

DEQ is seeking the Governor's signature on the attached letter to Dr. Susan Hedman, Regional Administrator, USEPA, Region 5. The letter designates Jim Sygo, Chief Deputy Director, MDEQ as the DEQ point person for the USEPA – Region 5 Flint Safe Drinking Water Task Force.

For your reference, DEQ provided the attached Transmittal Form , along with a copy of the October 21 Flint Drinking Water Action Plan Update which includes a summary about the conference call with USEPA and MDEQ where the USEPA requested this letter. The attachment also includes the USEPA's October 16 press release about the establishment of the Task Force (see yellow highlighted text in both attachments)

Your approval, input, and/or changes are needed by EOB by **Tues. 11.10.15.**

If you have any questions or need additional background information, please let me know.

Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
HallJ15@michigan.gov
517-241-5493

From: Taylor, Nicole (GOV)
Sent: Wednesday, November 04, 2015 2:04 PM
To: Hall, Jean (GOV)
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Hi Jean----

I guess I need a little caffeine. I accidentally typed my name in the approval box and entered it for this one before doing Bill's name correctly. Sorry for the double approval!

Thanks!

Nicole Taylor | State of Michigan -- Washington, D.C. Office of the Governor | 202.624.5840

From: Mcbride, Bill (GOV)
Sent: Wednesday, November 04, 2015 8:57 AM
To: Hall, Jean (GOV) <halli16@michigan.gov>
Cc: Taylor, Nicole (GOV) <TaylorN7@michigan.gov>
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

ok

From: Hall, Jean (GOV)
Sent: Tuesday, November 03, 2015 4:44 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Mcbride, Bill (GOV) <mcbrideb@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>
Cc: Scott, Allison (GOV) <scotta12@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Khouri, Claire (GOV) <KhouriC@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Brown, Eric (GOV) <BrownE15@michigan.gov>; Blackwell, Rob (GOV) <Blackwellr2@michigan.gov>; Arwood, Cheri (GOV) <ArwoodC@michigan.gov>; Hansen, Rachel (GOV) <hansenr3@michigan.gov>; Taylor, Nicole (GOV) <TaylorN7@michigan.gov>; Brownfield, Michael (GOV) <BrownfieldM2@michigan.gov>; Redford, James (GOV) <RedfordJ@michigan.gov>; Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>; Thomet, Ruth (GOV) <ThometR@michigan.gov>; Stoken, Laura (GOV) <Stokenl@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Lukasik, Liz (GOV) <LukasikL@michigan.gov>; Weber, Travis (GOV) <WeberT7@michigan.gov>; Ayers, Angela (GOV) <AyersA@michigan.gov>
Subject: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15
Importance: High

Hello All,

DEQ is seeking the Governor's signature on the attached letter to Dr. Susan Hedman, Regional Administrator, USEPA, Region 5. The letter designates Jim Sygo, Chief Deputy Director, MDEQ as the DEQ point person for the USEPA – Region 5 Flint Safe Drinking Water Task Force.

For your reference, DEQ provided the attached Transmittal Form , along with a copy of the October 21 Flint Drinking Water Action Plan Update which includes a summary about the conference call with

USEPA and MDEQ where the USEPA requested this letter. The attachment also includes the USEPA's October 16 press release about the establishment of the Task Force (see yellow highlighted text in both attachments)

Your approval, input, and/or changes are needed by EOB by **Tues. 11.10.15.**

If you have any questions or need additional background information, please let me know.

Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hall16@michigan.gov
517-241-5493

From: Hall, Jean (GOV)
Sent: Thursday, April 18, 2013 7:57 AM
To: Brader, Valerie (GOV) (braderv@michigan.gov)
Cc: Simons, Samantha (GOV)
Subject: FW: Flint Water Treatment

Valerie,

If at all possible, Bill would like to talk to you about this, this morning? He has so time between 9 and 10 a.m. and 11 and 1 p.m.

Please let me know and thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
(517) 241-5493
Halli16@michigan.gov

From: Ellison, Melanie (GOV)
Sent: Wednesday, April 17, 2013 5:10 PM
To: Rustem, William (GOV)
Cc: Hall, Jean (GOV)
Subject: Flint Water Treatment

Hi Bill,

Per the Scheduling meeting this afternoon – I was hoping you could put together some information about the water treatment system before the Governor's meeting in Flint on Friday. Please let me know if you have any questions.

Thank you,

Melanie Ellison
Office of Governor Rick Snyder
O: 517-373-0504

From: Hall, Jean (GOV)
Sent: Thursday, April 18, 2013 1:59 PM
To: Bill Rustem (rustemw@michigan.gov)
Subject: FW: Water Meeting Tomorrow
Attachments: Flint Background for Governor.pdf

Some clarification as to what is needed.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
(517) 241-5493
Hallj16@michigan.gov

-----Original Message-----
From: Ellison, Melanie (GOV)
Sent: Thursday, April 18, 2013 1:52 PM
To: Hall, Jean (GOV); Emmitt, Beth (GOV)
Cc: Wisniewski, Wendy (GOV); Clayton, Stacie (GOV); Clayton, Stacie (GOV); Larkin, Brian (GOV)
Subject: RE: Water Meeting Tomorrow

I have attached the general Flint update from Treasury. There is a brief paragraph about the water issue, but we are looking for a briefing specifically on the water issue.

The Governor has a meeting in the morning with the Mayor, EM, City Administrator, and President of City Council where the water issue may be brought up. However, Col. Etue will also be attending so they will be discussing other topics concerning Flint (which is why I have the general update from Treasury). MSP is getting me a general update too.

Brian Larkin is working on the agenda and a briefing for the couple morning meetings in Flint.

For the afternoon meeting - we need a briefing on the combined Flint/Detroit water issue.

Please let me know if you have further questions.

Thank you,

Melanie

-----Original Message-----
From: Hall, Jean (GOV)
Sent: Thursday, April 18, 2013 1:46 PM
To: Emmitt, Beth (GOV)
Cc: Ellison, Melanie (GOV); Wisniewski, Wendy (GOV); Clayton, Stacie (GOV); Clayton, Stacie (GOV)
Subject: RE: Water Meeting Tomorrow

Importance: High

O.K. I was confused- Bill is working on one for Flint, but can also do one for the Detroit meeting if needed. He is working with Brom at Treasury on the Flint briefing. HOWEVER, he thought Wendy may have also requested something from Treasury for tomorrow's Detroit meeting since Dennis set it up. Staci do you have anything to add to this?

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
(517) 241-5493
Hallj16@michigan.gov

-----Original Message-----
From: Emmitt, Beth (GOV)
Sent: Thursday, April 18, 2013 1:41 PM
To: Hall, Jean (GOV)
Cc: Ellison, Melanie (GOV)
Subject: RE: Water Meeting Tomorrow

Ok - I wanted to see if Treasury was sending something too. Is Bill working with them directly?

-----Original Message-----
From: Hall, Jean (GOV)
Sent: Thursday, April 18, 2013 1:40 PM
To: Emmitt, Beth (GOV)
Subject: RE: Water Meeting Tomorrow

Bill is working on it -knows the deadline is 4 p.m.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
(517) 241-5493
Hallj16@michigan.gov

-----Original Message-----
From: Emmitt, Beth (GOV)
Sent: Thursday, April 18, 2013 1:37 PM
To: Hichez, Amy (Treasury)
Cc: Clayton, Stacie (GOV); Ellison, Melanie (GOV); Rustem, William (GOV); Hall, Jean (GOV)
Subject: Water Meeting Tomorrow

Are we going to have a briefing on this tonight from Treasury?

89 (Rev. 02-11)

STATE OF MICHIGAN
DEPARTMENT OF TREASURY
LANSING

RICK SNYDER
GOVERNOR

ANDY DILLON
STATE TREASURER

Date: April 18, 2013

To: Andy Dillon
State Treasurer

From: Roger Fraser
Deputy State Treasurer

Subject: City of Flint Background Information

Pursuant to your request I am providing a status report regarding important issues facing the city.

BUDGET

- The administration anticipates the FY 2013 budget will remain balanced through the end of the fiscal year.
- The current budget reduced the City's workforce by 150 positions (20 percent).
- The City's five year deficit elimination plan anticipates an emergency loan application of $12 million to address the $19.3 million accumulated deficit. The remainder of the unrestricted accumulated general fund deficit will be eliminated through $7.1 million in reductions.
- The administration anticipates the FY 2014 will be balanced by making $3 million of reductions despite a 14% loss in taxable value.
- 70% of the General fund expenses are for Police, Fire, 911 and the Court.
- Ernst & Young will assist the EM is preparing a 5 year financial plan in accordance with the DEP.

POLICE

- Voters approved a 6 mill public safety millage in November and 6 police officers have been hired to date and 5 positions still remain to be filled.
- Reorganization of the FPD has reduced response times and increased the rate of solving homicides to 70%.
- City successfully allowing out-county units to use the city's lock up.
- MSP continues to provide 24/7 support to the city and will increase staffing from 18 to 25.

FIRE

- Average number of fires per day 5-7.
- New Fire Chief hired, former Flint fire employee.
- False alarms are down 75% after EM began billing alarm companies for false alarms

BLIGHT

- The city has 9,000 vacant structures
- Over 600 structures have been demolished

- City is losing demolition money because Consumers Power cannot provide adequate manpower to cut & cap due to union issues.
- MSHDA is applying for $100 million in demolition funding for 5 local units including Flint. Anticipate work beginning this summer if grant application is successful.

WATER

- EM signed a resolution to enter into and sign a contract with KWA.
- Water theft is a significant issue and administration plans to address it in the next 90 days.
- Water rates have been raised 118% over the past 2 years and is an issue with residents
- Effective 7/1/13 EM will eliminate the "readiness to serve charge" ($53) for any water customer who meets the state poverty exemption requirements.
- DWSD attempting to cancel current contract with Flint and institute increased charges to the city during construction of KWA.

PENSION

- Overall annual contribution is $17.4million, which has increased as work force has been reduced.
- General fund annual contribution is approximately $8 million.

SOLID WASTE COLLECTION

- City outsourced collection of solid waste during March 2013, the low bidder hired 20 former DPW employees and the transition has been seamless. The firm will provide recycling this summer.

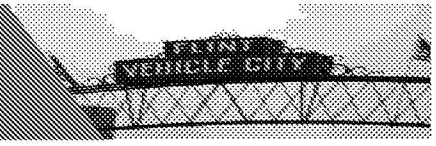
OPEB LAWSUIT

- A Federal District Judge recently granted (6 retirees) plaintiffs' motion for a preliminary injunction in response to changes implemented to retiree healthcare by the former EM. This action stops the modifications to the City of Flint's retirees' health care benefits from going into effect.

MAYOR AND COUNCIL

- The EM has restored the Mayor's salary and intends to reinstate the salary of city council. Council's restoration will be predicated upon complying with certain criteria (training, active cooperation with the EM and consideration of major city initiatives i.e. master plan, KWA).

Our Understanding of the Situation



The City of Flint continues to face challenges from an extended economic downturn which has resulted in continued significant decline in property valuations, population loss and an aging infrastructure

- Economic headwinds
  - Property valuations have decreased 50% since 2002 to from ~$1,800 million to ~$900 million in 2012
  - The City's population has declined 18% to 102,434 in 2010 since 2000
    - The housing vacancy rate is 21%
    - The owner occupied housing rate is 45%

- Retiree related expenses escalating
  - The City of Flint currently provides healthcare benefits for 1,560 retirees costing approximately $17,000 per employee
    - *On March 29th, a Detroit Federal District Court judge issued a temporary injunction against changes to retiree healthcare benefits*
  - 1,741 individuals participate in the City's pension plans. All retiree pension plans are expected to be transferred from the Flint Employees' Retirement System to the Michigan Employees' Retirement System
  - The current unfunded OPEB liability stands at $367 million as of June 30, 2012 and the Pension UAAL stands at ~$268 million as of the 2010 actuary report.

- Increased property tax millage and fees proposed to result in $25 million of additional revenue to balance FY 2012 budget
  - 25% increase in Water and Sewer rates
  - 6 mill property tax increase for Fire and Police to provide funding in lieu of lost grant revenue
  - Special assessment for street lighting
  - Addition of waste collection fee to replace existing millage

- $21 million reduction in personnel expenses for FY 2013 budget intended to balance the budget
  - $17 million reduction through wage concessions and headcount reduction
    - Budget assumes 20% reduction across all bargaining units although only 3 of 6 BU's have agreed to date
  - $4 million savings from converting the pre-65 retiree health benefit plan to the active's plan and transferring post-65 retirees to Medicare Advantage (these changes are subject to the temporary injunction)

Our Understanding of the Situation –
Foundations for a greater "Quality of Life"

While leadership has implemented changes that will begin to shape Flint's future, a long-term view must be canvassed to determine required levels of reinvestment resulting in an improved quality of life ("QOL") for citizens

<u>Short-term fiscal changes</u>

The City of Flint has made many fiscal changes to balance the budget and reduce the deficit including:

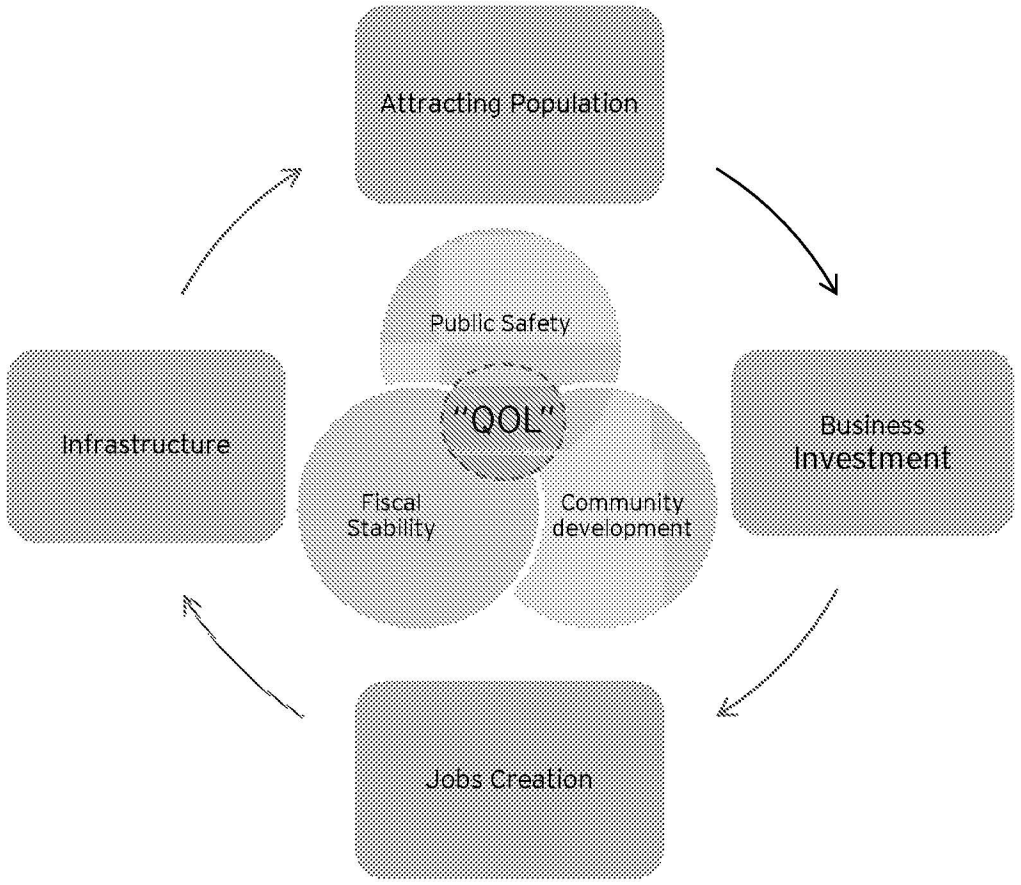
- Increasing certain taxes and fees to cover the operating costs of Flint's core services
- Reducing headcount
- Working with labor and sharing sacrifice across pension and healthcare benefits to generate savings
- Updating IT infrastructure as well as reviewing back-office and shared services to drive efficiency

<u>Long-term reinvestment for sustainable future</u>

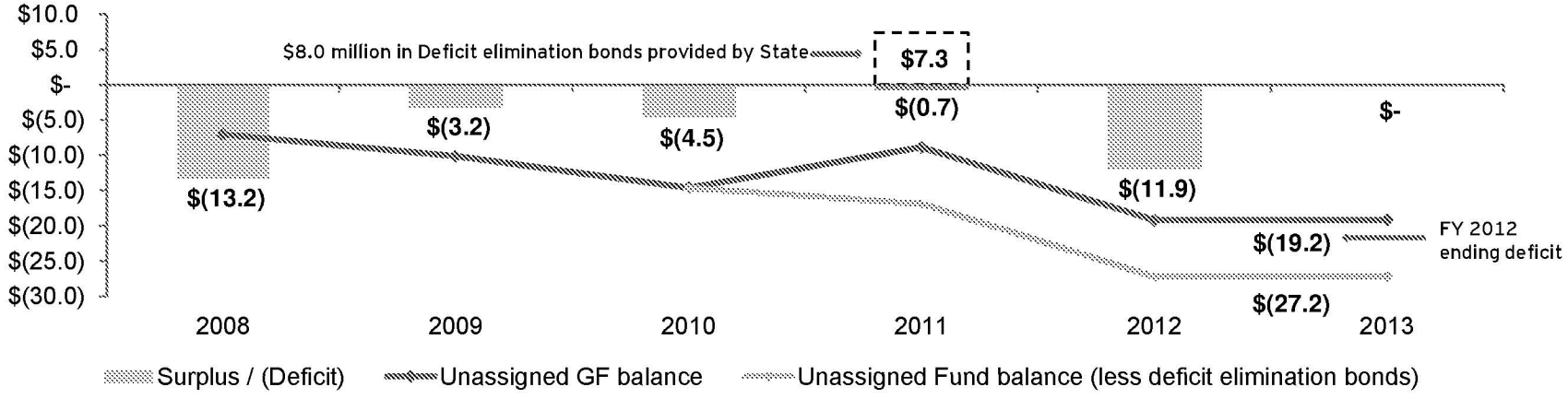
The City's 5-year plan must now turn towards sustainability to ensure the long-term plan will be in the best interest of the citizens

- What levels of reinvestment in infrastructure and community development will attract jobs and population growth?
- When and how should capital be deployed to maintain fiscal stability and foster change
- What additional changes can be made to provide the necessary capital for reinvestment?
  - Public/private partnerships
  - Leveraging State and Federal mechanisms

<u>Investing for a sustainable future</u>



City of Flint - General Fund



$ in millions	Actual					Budget
General Fund	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**
Total Revenues	$ 66.8	$ 63.9	$ 57.2	$ 67.2	$ 51.5	$ 57.5
Total Expenses	(79.5)	(66.7)	(64.7)	(67.3)	(61.7)	(57.5)
Other	(0.6)	(0.5)	3.0	7.5	(1.7)	-
Surplus / (Deficit)	**$ (13.2)**	**$ (3.2)**	**$ (4.5)**	**$ 7.3**	**$ (11.9)**	**$ -**
Less deficit elimination bonds				**$ (0.7)**		
Reserved Fund balance	0.2	-	-	1.6	-	-
Unassigned GF balance	(7.0)	(10.1)	(14.6)	(8.9)	(19.2)	(19.2)
Less deficit elimination bonds			(14.6)	(16.9)	(27.2)	(27.2)
Ending Fund Balances	**$ (6.9)**	**$ (10.1)**	**$ (14.6)**	**$ (7.3)**	**$ (19.2)**	**$ (19.2)**

The City's General Fund has received cash advances from the Water and Sewer Funds to meet its cash obligations

	Non-major Gov't	Internal Service	Sewage Disposal	Water Supply	Total
Due to balances	$ 1.8	9.1	$ 10.0	$ 1.0	$ 21.9

Note: 2013 budget estimates per FY 2012-13 Budget Plan

Subject: FW: Internal Flint Water Meeting
Location: Executive Conference Room, 2nd Romney

Start: Wed 1/28/2015 10:00 AM
End: Wed 1/28/2015 11:00 AM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Posthumus, Dick (GOV)

-----Original Appointment-----
From: Posthumus, Dick (GOV)
Sent: Wednesday, January 21, 2015 8:59 AM
To: Posthumus, Dick (GOV); Clement, Elizabeth (GOV); Muchmore, Dennis (GOV); Walsh, John (GOV); Wisniewski, Wendy (GOV); Hall, Jean (GOV); Pleyte, Beth (Treasury); Saxton, Thomas (Treasury); Clayton, Stacie (GOV); Hollins, Harvey (GOV); Murray, David (GOV)
Subject: Internal Flint Water Meeting
When: Wednesday, January 28, 2015 10:00 AM-11:00 AM (UTC-05:00) Eastern Time (US & Canada).
Where: Executive Conference Room, 2nd Romney

Attending:
Dick Posthumus
Dennis Muchmore
John Walsh
Beth Clement
Tom Saxton
Harvey Hollins
Dave Murray

From: Hall, Jean (GOV)
Sent: Friday, January 30, 2015 10:53 AM
To: Clayton, Stacie (GOV); Wisniewski, Wendy (GOV); Rospond, Laurie (GOV); Brown, Jessica (GOV)
Subject: RE: Flint Conference Call

John,
11:30
1:00
2:30

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hallj16@michigan.gov
517-241-5493

From: Clayton, Stacie (GOV)
Sent: Friday, January 30, 2015 10:44 AM
To: Wisniewski, Wendy (GOV); Hall, Jean (GOV); Rospond, Laurie (GOV); Brown, Jessica (GOV)
Cc: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Posthumus, Dick (GOV); Murray, David (GOV); Hollins, Harvey (GOV)
Subject: Flint Conference Call

Greetings All,

Harvey would like to schedule a brief conference call today regarding next steps on Flint water matters. Please let me know DM. EC, JW, DP and DM availability for a call:

11:30am
12:00pm
1:00pm
1:30pm
2:00pm
2:30pm
3:00pm

Thank you,
Stacie

From: Hall, Jean (GOV)
Sent: Friday, January 30, 2015 10:55 AM
To: Wisniewski, Wendy (GOV); Clayton, Stacie (GOV); Rospond, Laurie (GOV); Brown, Jessica (GOV)
Subject: RE: Flint Conference Call

If 1:30 is the only time that works, I can try to change a meeting. Please let me know asap.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hallj16@michigan.gov
517-241-5493

From: Wisniewski, Wendy (GOV)
Sent: Friday, January 30, 2015 10:48 AM
To: Clayton, Stacie (GOV); Hall, Jean (GOV); Rospond, Laurie (GOV); Brown, Jessica (GOV)
Cc: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Posthumus, Dick (GOV); Murray, David (GOV); Hollins, Harvey (GOV)
Subject: RE: Flint Conference Call

1:30 and 3:00 are the only times that work for both Dennis & Beth

---

From: Clayton, Stacie (GOV)
Sent: Friday, January 30, 2015 10:44 AM
To: Wisniewski, Wendy (GOV); Hall, Jean (GOV); Rospond, Laurie (GOV); Brown, Jessica (GOV)
Cc: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Posthumus, Dick (GOV); Murray, David (GOV); Hollins, Harvey (GOV)
Subject: Flint Conference Call

Greetings All,

Harvey would like to schedule a brief conference call today regarding next steps on Flint water matters. Please let me know DM. EC, JW, DP and DM availability for a call:

11:30am
12:00pm
1:00pm
1:30pm
2:00pm
2:30pm
3:00pm

Thank you,
Stacie

From: Hall, Jean (GOV)
Sent: Friday, January 30, 2015 11:01 AM
To: Clayton, Stacie (GOV)
Subject: RE: Flint Conference Call

I moved John's meeting.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hallj16@michigan.gov
517-241-5493

From: Clayton, Stacie (GOV)
Sent: Friday, January 30, 2015 10:56 AM
To: Wisniewski, Wendy (GOV)
Cc: Hall, Jean (GOV); Rospond, Laurie (GOV)
Subject: RE: Flint Conference Call
Importance: High

Thank you, everyone.

We are going with 1:30pm. I'll send the appointment now.

Stacie

From: Wisniewski, Wendy (GOV)
Sent: Friday, January 30, 2015 10:48 AM
To: Clayton, Stacie (GOV); Hall, Jean (GOV); Rospond, Laurie (GOV); Brown, Jessica (GOV)
Cc: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Posthumus, Dick (GOV); Murray, David (GOV); Hollins, Harvey (GOV)
Subject: RE: Flint Conference Call

1:30 and 3:00 are the only times that work for both Dennis & Beth

---

From: Clayton, Stacie (GOV)
Sent: Friday, January 30, 2015 10:44 AM
To: Wisniewski, Wendy (GOV); Hall, Jean (GOV); Rospond, Laurie (GOV); Brown, Jessica (GOV)
Cc: Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Posthumus, Dick (GOV); Murray, David (GOV); Hollins, Harvey (GOV)
Subject: Flint Conference Call

Greetings All,

Harvey would like to schedule a brief conference call today regarding next steps on Flint water matters. Please let me know DM. EC, JW, DP and DM availability for a call:

11:30am

12:00pm
1:00pm
1:30pm
2:00pm
2:30pm
3:00pm

Thank you,
Stacie

From: Hall, Jean (GOV)
Sent: Wednesday, October 14, 2015 9:24 AM
To: Muchmore, Dennis (GOV)
Cc: Wisniewski, Wendy (GOV); Walsh, John (GOV); Clement, Elizabeth (GOV)
Subject: Today's Flint Next Steps Meeting

Hi Dennis,

John asked me to let you know that he has a House meeting on DPS this morning at 10:30 a.m. at the Capitol. He most likely won't make it back for the Flint meeting and he has asked Ari to cover it for him.

Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hall116@michigan.gov
517-241-5493

Subject: FW: DM/EC/JA/RB/JW/JR/HH/SW/DM/DW/NL/GL/DP or DA or ML re Flint next steps
Location: Governor's Conference Room - 2nd Floor Romney (call in number below)

Start: Wed 10/14/2015 11:30 AM
End: Wed 10/14/2015 12:00 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Agen, Jarrod (GOV)

-----Original Appointment-----
From: Agen, Jarrod (GOV)
Sent: Monday, October 12, 2015 4:12 PM
To: Agen, Jarrod (GOV); Muchmore, Dennis (GOV); Clement, Elizabeth (GOV); Baird, Richard (GOV); Walsh, John (GOV); Redford, James (GOV); Hollins, Harvey (GOV); Wurfel, Sara (GOV); Murray, David (GOV); Wyant, Dan (DEQ); Lyon, Nick (DHHS); Lasher, Geralyn (DHHS); Posthumus, Dick (GOV); Ackerman, Darin (GOV); Lange, Michelle (GOV); Rospond, Laurie (GOV); Thomet, Ruth (GOV); Thelen, Mary Beth (DEQ); Grijalva, Nancy (DHHS); Hall, Jean (GOV); VanSickle, Michele (GOV); Clayton, Stacie (GOV)
Cc: Wells, Eden (DHHS)
Subject: DM/EC/JA/RB/JW/JR/HH/SW/DM/DW/NL/GL/DP or DA or ML re Flint next steps
When: Wednesday, October 14, 2015 11:30 AM-12:00 PM (UTC-05:00) Eastern Time (US & Canada).
Where: Governor's Conference Room - 2nd Floor Romney (call in number below)

MDHHS Action Plan Flint EBL.DO...

Conference Number - [redacted]
Access Code – [redacted]
Host Code - [redacted]

Michigan Department of Community Health (MDHHS) Flint Water Action Plan

Action	Local Lead	MDHHS Lead	Tasks
Filter/Water Distribution	Tamara Brickley (Genesee County Health Department-GCHD)	Sheryl Thompson, MDHHS	- Coordination of distribution (GCHD) - Identify at-risk sub-groups (GCHD) - Tracking filters- uniform registry held by GCHD - Ordering filter replacements (MDHHS)
Blood Testing	Tony LaRocco (GCHD) Possible partners: - Hurley - Great Flint Health Coalition - MIHP - LHD - Schools	Dr. Eden Wells/ Nancy Peeler (CLPPP)	- Test all o Students 0-16 o Priorities: ▪ 3 schools ▪ 2 zip codes ▪ ages 0-15 - Convene meeting with GCHD and all potential partners (MDHHS) o Partner with schools- information about testing sites options distributed through school districts to parents o Partner with Great Flint Health Coalition-network to develop testing sites and information about testing to healthcare providers o Partner with Hurley/McClaren/Genesys o Partner with MIHP/Home Visiting Program - Confirm that the state lab has capacity to handle increase in tests- CONFRIMED
Case Management Follow Up	Tony LaRocco (GCHD)	Eden Wells/ Nancy Peeler (CLPPP)	- Identification of all current positives- confirmatory testing for > 5 mcg/dl (as of April 2014) - Maintain registry of all tests performed (-/+) - Follow-up all cases >5 mcg/dl with the CLPP Case Management protocol
Elevated Blood Level Investigations(all > 5 mcg/dl)	Dawn Hallwood (GCHD)	Linda Dykema	- Secure financial resources necessary to support environmental health response - Follow-up CLPPP to see if immediate funds available - Recommendation to contract with Lead Investigation company thru SEMHA-

			licensed investigators
Communications	Hilda McShane (GCHD)	Geralyn Lasher	- Daily MDHHS and GCHD phone calls (3PM) - Provide provider education- links sent for Governor's site to GCHD 10/12 - Provide public education - Provide risk education - Provide links with lead prevention information to Flint

From: Hall, Jean (GOV)
Sent: Wednesday, November 04, 2015 8:04 AM
To: Wisniewski, Wendy (GOV); Kennedy, Jordan (GOV)
Subject: FW: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Good Morning!

Can you please make sure Jarrod and Beth look at this? See Mike's comments below.

Thanks!

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hall116@michigan.gov
[redacted]

From: Brownfield, Michael (GOV)
Sent: Wednesday, November 04, 2015 7:58 AM
To: Hall, Jean (GOV) <hall116@michigan.gov>
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Looks fine to me, but given the subject matter I think you probably want to get a sign off from someone who has been plugged into this issue (Beth or Jarrod, I guess.)

From: Hall, Jean (GOV)
Sent: Tuesday, November 03, 2015 4:44 PM
To: Muchmore, Dennis (GOV); Mcbride, Bill (GOV); Agen, Jarrod (GOV); Walsh, John (GOV)
Cc: Scott, Allison (GOV); Clement, Elizabeth (GOV); Khouri, Claire (GOV); Wurfel, Sara (GOV); Brown, Eric (GOV); Blackwell, Rob (GOV); Arwood, Cheri (GOV); Hansen, Rachel (GOV); Taylor, Nicole (GOV); Brownfield, Michael (GOV); Redford, James (GOV); Wisniewski, Wendy (GOV); Thomet, Ruth (GOV); Stoken, Laura (GOV); Kennedy, Jordan (GOV); Lukasik, Liz (GOV); Weber, Travis (GOV); Ayers, Angela (GOV)
Subject: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Hello All,

DEQ is seeking the Governor's signature on the attached letter to Dr. Susan Hedman, Regional Administrator, USEPA, Region 5. The letter designates Jim Sygo, Chief Deputy Director, MDEQ as the DEQ point person for the USEPA – Region 5 Flint Safe Drinking Water Task Force.

For your reference, DEQ provided the attached Transmittal Form , along with a copy of the October 21 Flint Drinking Water Action Plan Update which includes a summary about the conference call with USEPA and MDEQ where the USEPA requested this letter. The attachment also includes the

USEPA's October 16 press release about the establishment of the Task Force (see yellow highlighted text in both attachments)

Your approval, input, and/or changes are needed by EOB by **Tues. 11.10.15.**

If you have any questions or need additional background information, please let me know.

Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hallj16@michigan.gov
[redacted]

From: Hall, Jean (GOV)
Sent: Wednesday, November 04, 2015 8:14 AM
To: Wisniewski, Wendy (GOV)
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Thanks. So I guess just Dennis and Jarrod should sign off.

.....that Mike Brownfield.....

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
HallJ16@michigan.gov
517-241-5493

From: Wisniewski, Wendy (GOV)
Sent: Wednesday, November 04, 2015 8:11 AM
To: Hall, Jean (GOV) <hallj16@michigan.gov>
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Beth hasn't been involved in Flint water at all. Just Dennis and Jarrod

---

From: Hall, Jean (GOV)
Sent: Wednesday, November 04, 2015 8:04 AM
To: Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>
Subject: FW: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Good Morning!

Can you please make sure Jarrod and Beth look at this? See Mike's comments below.

Thanks!

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
HallJ16@michigan.gov
517-241-5493

From: Brownfield, Michael (GOV)
Sent: Wednesday, November 04, 2015 7:58 AM
To: Hall, Jean (GOV) <hallj16@michigan.gov>
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Looks fine to me, but given the subject matter I think you probably want to get a sign off from someone who has been plugged into this issue (Beth or Jarrod, I guess.)

From: Hall, Jean (GOV)
Sent: Tuesday, November 03, 2015 4:44 PM
To: Muchmore, Dennis (GOV); Mcbride, Bill (GOV); Agen, Jarrod (GOV); Walsh, John (GOV)
Cc: Scott, Allison (GOV); Clement, Elizabeth (GOV); Khouri, Claire (GOV); Wurfel, Sara (GOV); Brown, Eric (GOV); Blackwell, Rob (GOV); Arwood, Cheri (GOV); Hansen, Rachel (GOV); Taylor, Nicole (GOV); Brownfield, Michael (GOV); Redford, James (GOV); Wisniewski, Wendy (GOV); Thomet, Ruth (GOV); Stoken, Laura (GOV); Kennedy, Jordan (GOV); Lukasik, Liz (GOV); Weber, Travis (GOV); Ayers, Angela (GOV)
Subject: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Hello All,

DEQ is seeking the Governor's signature on the attached letter to Dr. Susan Hedman, Regional Administrator, USEPA, Region 5. The letter designates Jim Sygo, Chief Deputy Director, MDEQ as the DEQ point person for the USEPA – Region 5 Flint Safe Drinking Water Task Force.

For your reference, DEQ provided the attached Transmittal Form , along with a copy of the October 21 Flint Drinking Water Action Plan Update which includes a summary about the conference call with USEPA and MDEQ where the USEPA requested this letter. The attachment also includes the USEPA's October 16 press release about the establishment of the Task Force (see yellow highlighted text in both attachments)

Your approval, input, and/or changes are needed by EOB by **Tues. 11.10.15.**

If you have any questions or need additional background information, please let me know.

Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hallj16@michigan.gov
517-241-5493

From: Hall, Jean (GOV)
Sent: Wednesday, November 04, 2015 10:08 AM
To: Wisniewski, Wendy (GOV)
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
HallJ16@michigan.gov
517-241-5493

From: Wisniewski, Wendy (GOV)
Sent: Wednesday, November 04, 2015 10:07 AM
To: Hall, Jean (GOV) <hallj16@michigan.gov>
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Dennis is ok with this

From: Hall, Jean (GOV)
Sent: Tuesday, November 03, 2015 4:44 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Mcbride, Bill (GOV) <mcbrideb@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>
Cc: Scott, Allison (GOV) <scotta12@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Khouri, Claire (GOV) <KhouriC@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Brown, Eric (GOV) <BrownE15@michigan.gov>; Blackwell, Rob (GOV) <Blackwellr2@michigan.gov>; Arwood, Cheri (GOV) <ArwoodC@michigan.gov>; Hansen, Rachel (GOV) <hansenr3@michigan.gov>; Taylor, Nicole (GOV) <TaylorN7@michigan.gov>; Brownfield, Michael (GOV) <BrownfieldM2@michigan.gov>; Redford, James (GOV) <RedfordJ@michigan.gov>; Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>; Thomet, Ruth (GOV) <ThometR@michigan.gov>; Stoken, Laura (GOV) <StokenL@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Lukasik, Liz (GOV) <LukasikL@michigan.gov>; Weber, Travis (GOV) <WeberT7@michigan.gov>; Ayers, Angela (GOV) <AyersA@michigan.gov>
Subject: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15
Importance: High

Hello All,

DEQ is seeking the Governor's signature on the attached letter to Dr. Susan Hedman, Regional Administrator, USEPA, Region 5. The letter designates Jim Sygo, Chief Deputy Director, MDEQ as the DEQ point person for the USEPA – Region 5 Flint Safe Drinking Water Task Force.

For your reference, DEQ provided the attached Transmittal Form , along with a copy of the October 21 Flint Drinking Water Action Plan Update which includes a summary about the conference call with USEPA and MDEQ where the USEPA requested this letter. The attachment also includes the

USEPA's October 16 press release about the establishment of the Task Force (see yellow highlighted text in both attachments)

Your approval, input, and/or changes are needed by EOB by **Tues. 11.10.15.**

If you have any questions or need additional background information, please let me know.

Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
HallJ16@michigan.gov
517-241-5493

From: Hall, Jean (GOV)
Sent: Wednesday, November 04, 2015 10:21 AM
To: Wisniewski, Wendy (GOV)
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

You're on it.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
HallJ16@michigan.gov
517-241-5493

From: Wisniewski, Wendy (GOV)
Sent: Wednesday, November 04, 2015 10:14 AM
To: Hall, Jean (GOV) <hallj16@michigan.gov>
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Already in CTS too. ☺

From: Hall, Jean (GOV)
Sent: Wednesday, November 04, 2015 10:08 AM
To: Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
HallJ16@michigan.gov
517-241-5493

From: Wisniewski, Wendy (GOV)
Sent: Wednesday, November 04, 2015 10:07 AM
To: Hall, Jean (GOV) <hallj16@michigan.gov>
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Dennis is ok with this

From: Hall, Jean (GOV)
Sent: Tuesday, November 03, 2015 4:44 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Mcbride, Bill (GOV) <mcbrideb@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>

Cc: Scott, Allison (GOV) <scotta12@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Khouri, Claire (GOV) <KhouriC@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Brown, Eric (GOV) <BrownE15@michigan.gov>; Blackwell, Rob (GOV) <Blackwellr2@michigan.gov>; Arwood, Cheri (GOV) <ArwoodC@michigan.gov>; Hansen, Rachel (GOV) <hansenr3@michigan.gov>; Taylor, Nicole (GOV) <TaylorN7@michigan.gov>; Brownfield, Michael (GOV) <BrownfieldM2@michigan.gov>; Redford, James (GOV) <RedfordJ@michigan.gov>; Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>; Thomet, Ruth (GOV) <ThometR@michigan.gov>; Stoken, Laura (GOV) <Stokenl@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Lukasik, Liz (GOV) <LukasikL@michigan.gov>; Weber, Travis (GOV) <WeberT7@michigan.gov>; Ayers, Angela (GOV) <AyersA@michigan.gov>
Subject: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15
Importance: High

Hello All,

DEQ is seeking the Governor's signature on the attached letter to Dr. Susan Hedman, Regional Administrator, USEPA, Region 5. The letter designates Jim Sygo, Chief Deputy Director, MDEQ as the DEQ point person for the USEPA – Region 5 Flint Safe Drinking Water Task Force.

For your reference, DEQ provided the attached Transmittal Form , along with a copy of the October 21 Flint Drinking Water Action Plan Update which includes a summary about the conference call with USEPA and MDEQ where the USEPA requested this letter. The attachment also includes the USEPA's October 16 press release about the establishment of the Task Force (see yellow highlighted text in both attachments)

Your approval, input, and/or changes are needed by EOB by **Tues. 11.10.15.**

If you have any questions or need additional background information, please let me know.

Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hallj16@michigan.gov
517-241-5493

From: Hall, Jean (GOV)
Sent: Wednesday, November 04, 2015 2:15 PM
To: 'Taylor, Nicole (GOV)'
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

No worries at all!

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
HallJ16@michigan.gov
517-241-5493

From: Taylor, Nicole (GOV)
Sent: Wednesday, November 04, 2015 2:04 PM
To: Hall, Jean (GOV) <hallj16@michigan.gov>
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Hi Jean----

I guess I need a little caffeine. I accidentally typed my name in the approval box and entered it for this one before doing Bill's name correctly. Sorry for the double approval!

Thanks!

Nicole Taylor | State of Michigan -- Washington, D.C. Office of the Governor | 202.624.5840

From: Mcbride, Bill (GOV)
Sent: Wednesday, November 04, 2015 8:57 AM
To: Hall, Jean (GOV) <hallj16@michigan.gov>
Cc: Taylor, Nicole (GOV) <TaylorN7@michigan.gov>
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

ok

From: Hall, Jean (GOV)
Sent: Tuesday, November 03, 2015 4:44 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Mcbride, Bill (GOV) <mcbrideb@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>
Cc: Scott, Allison (GOV) <scotta12@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Khouri, Claire (GOV) <KhouriC@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Brown, Eric (GOV) <BrownE15@michigan.gov>; Blackwell, Rob (GOV) <Blackwellr2@michigan.gov>; Arwood, Cheri (GOV) <ArwoodC@michigan.gov>; Hansen, Rachel (GOV) <hansenr3@michigan.gov>; Taylor, Nicole (GOV) <TaylorN7@michigan.gov>; Brownfield, Michael (GOV) <BrownfieldM2@michigan.gov>; Redford, James (GOV) <RedfordJ@michigan.gov>; Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>; Thomet, Ruth (GOV) <ThometR@michigan.gov>; Stoken, Laura (GOV) <StokenL@michigan.gov>; Kennedy, Jordan (GOV)

<Kennedyj4@michigan.gov>; Lukasik, Liz (GOV) <LukasikL@michigan.gov>; Weber, Travis (GOV) <WeberT7@michigan.gov>; Ayers, Angela (GOV) <AyersA@michigan.gov>
Subject: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15
Importance: High

Hello All,

DEQ is seeking the Governor's signature on the attached letter to Dr. Susan Hedman, Regional Administrator, USEPA, Region 5. The letter designates Jim Sygo, Chief Deputy Director, MDEQ as the DEQ point person for the USEPA – Region 5 Flint Safe Drinking Water Task Force.

For your reference, DEQ provided the attached Transmittal Form , along with a copy of the October 21 Flint Drinking Water Action Plan Update which includes a summary about the conference call with USEPA and MDEQ where the USEPA requested this letter. The attachment also includes the USEPA's October 16 press release about the establishment of the Task Force (see yellow highlighted text in both attachments)

Your approval, input, and/or changes are needed by EOB by **Tues. 11.10.15.**

If you have any questions or need additional background information, please let me know.

Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hallj16@michigan.gov
517-241-5493

From: Walsh, John (GOV)
Sent: Tuesday, December 29, 2015 12:36 PM
To: Holland, Meegan (GOV); Agen, Jarrod (GOV); Clement, Elizabeth (GOV)
Subject: Fwd: Update on OAG letter and our statement

So as not to clog the email waves, just checking in with you 3 - statement looks good. I could be a two handed lawyer and argue both ways as to release - but in this case I am personally comfortable with a quicker release.

BTW - our van is packed and the Walsh Detroit to Dallas or Bust trip is about to begin! Will be reachable by phone, and will check emails when I am not driving.

Go State!

Sent from my iPad

Begin forwarded message:

> **From:** "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
> **Date:** December 28, 2015 at 4:06:35 PM EST
> **To:** "Holland, Meegan (GOV)" <HollandM2@michigan.gov>, "Calley, Brian (GOV)" <[redacted]>, "Snyder, Rick (GOV)" <[redacted]>, "Walsh, John (GOV)" <WalshJ@michigan.gov>, "Redford, James (GOV)" <RedfordJ@michigan.gov>, "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>, "Baird, Richard (GOV)" <bairdr@michigan.gov>, "Posthumus, Dick (GOV)" <Posthumusd@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>, "Scott, Allison (GOV)" <scotta12@michigan.gov>
> **Subject: RE: Update on OAG letter and our statement**
>
> Meegan—attached are a couple edits to the statement.
>
> ---
>
> **From:** Holland, Meegan (GOV)
> **Sent:** Monday, December 28, 2015 2:09 PM
> **To:** Calley, Brian (GOV) [redacted]; Snyder, Rick (GOV) [redacted]; Walsh, John (GOV) <WalshJ@michigan.gov>; Redford, James (GOV) <RedfordJ@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Posthumus, Dick (GOV) <Posthumusd@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Scott, Allison (GOV) <scotta12@michigan.gov>
> **Subject:** Update on OAG letter and our statement
>
> Colleagues,
>
> The Office of the Auditor General has released the letter. We've developed a statement, based on the summary you read the other night, that spells out how things came down. We hope media will pick up on the fact that the DEQ was largely following protocols, or in one case, an ambiguous one that EPA later clarified.

FYI - Sen. Ananich has released the following in regard to the OAG letter: "The Auditor General has provided an important piece of this puzzle and I'm sure the extended report they are working on will reveal additional information," said Ananich. "What's clear is that corrosion control should have been used and there are serious failings in our system that must be addressed. Between the FOIA emails released recently and these findings, it's obvious that legislative oversight is the best way to see how all of these pieces fit together. I expect holding hearings to be high on the agenda when the Legislature returns."

On Tuesday, we plan to release this statement by the Governor. It's been tweaked slightly since our review the other night, thanks to feedback from the Governor, Jim Redford and others.

"I've been briefed on the recent meeting of the task force studying the Flint water situation and I've read the report from the Office of the Auditor General on the processes used by DEQ to monitor Flint water.

"The bi-partisan task force has worked tirelessly to interview Flint, Genesee County, state and federal officials to complete its independent analysis. They are reviewing hundreds of documents at all levels of government and from the public health science community.

"I'd like to thank the task force for keeping me apprised of their continuing investigation. As they uncover more facts, it's clear to me we can do better. Their report may take another month or so, but if we need to make changes more swiftly, I plan to take immediate action.

"No matter what the testing requirements were, they were not enough to prevent this crisis.

"When it comes to matters of health and quality of life, we're committed to doing everything we can to protect the well-being of our citizens.

"I understand there can be disagreements within the scientific community. That is why I have told my directors at MDEQ and DHHS to invite every external scientist who has worked on the Flint water issue to the state laboratory facilities to work as partners with us. Together, we should be able to affirm that we're using the very best testing protocols to ensure Flint residents have safe drinking water and that we're doing proper monitoring and remediation of blood levels and other health impacts over the long term.

"I want the Flint community and all citizens of Michigan to know how very sorry I am that this has happened.

"But I know an apology isn't enough. We've already allocated $10 million to test the water, distribute water filters, and help in other ways. On Thursday, I called Flint Mayor Karen Weaver, and we're going to sit down in the next week to discuss other ways the state can offer assistance.

"I want to assure residents there that we will work hard to make things right."

Meegan Holland

Director of Communications for Gov. Rick Snyder
Office: 517-335-6397
Mobile: [redacted]
Twitter: @meholland

<20151228_OAG Response.docx>

From: Shaler, Karen (DEQ)
Sent: Tuesday, November 03, 2015 10:51 AM
To: Hall, Jean (GOV)
Cc: Sygo, Jim (DEQ); Thelen, Mary Beth (DEQ)
Subject: Request for DEQ Point of Contact Designation Letter Signed by Governor Snyder
Attachments: Information Transmittal USEPA Task Force 11-3-15.pdf; Governor Signature Request Form 11-3-15.pdf; USEPA Task Force - Sygo Appointment 11-3-15.docx

Hi Jean,

Michigan needs to send a letter signed by Governor Rick Snyder to Susan Hedman, Regional Administrator, United States Environmental Protection Agency (USEPA), Region 5, to designate a DEQ point of contact for the USEPA's Flint Safe Drinking Water Task Force.

Attached are: (1) a PDF of our Information Transmittal and Request for Governor's Action signed by Director Dan Wyant, along with a copy of its attached October 21 Flint Drinking Water Action Plan Update regarding the conference call with USEPA requesting a letter and USEPA's October 16 press release regarding the establishment of the Task Force (see yellow highlighted text in both attachments); (2) a completed Governor Snyder - Signature Request Form; and (3) the Word version of the draft letter.

Please let me know when the letter is ready to be picked up. Thank you!

Karen Shaler, Management Assistant to
Chief Deputy Director Jim Sygo
Department of Environmental Quality
Constitution Hall, 6th Floor South
Phone: 517-284-6709
Fax: 517-241-7401
shalerk@michigan.gov

DEQ

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
EXECUTIVE DIVISION

INFORMATION TRANSMITTAL AND REQUEST FOR GOVERNOR'S ACTION

TO: Governor Rick Snyder via Jean Hall

FROM: Dan Wyant, Director

DATE: November 3, 2015

SUBJECT: Task Force Point of Contact Designation Letter to Susan Hedman, Regional Administrator, United States Environmental Protection Agency, Region 5

Action Taken by DEQ (action requested of Governor's Office in parentheses)
☒ Letter (for Governor's signature – draft attached)
☐ Printed Material (for Governor's signature – attached)
☐ Proclamation Request (for Governor's signature – draft attached)
☐ Telephone Call (for Governor's information – explanation given under "Situation Description")
☐ Other:

Governor's Action Requested By: November 16, 2015

Situation Description: During an October 20 conference call between the USEPA and DEQ regarding USEPA's establishment of the Flint Safe Drinking Water Task Force, the USEPA requested that Governor Snyder designate a DEQ point of contact for the Task Force. Attached are a draft letter to be signed by Governor Snyder, the October 21 Flint Drinking Water Action Plan Update regarding the conference call, and USEPA's October 16 press release regarding the establishment of the Task Force. Please contact Karen Shaler, Executive Division, DEQ, at shalerk@michigan.gov when the letter is ready to be picked up. Thank you.

Contact Person's Name: Jim Sygo, Chief Deputy Director
DEQ Division/Office: Executive Division
Telephone: 517-284-6709
E-Mail Address: sygoj@michigan.gov

Governor's Response (for Governor's Office use only):

Flint Drinking Water Action Plan Update

FOIA EXEMPT AND ATTORNEY-CLIENT PRIVILEGE

- Action Step #1 has been incorporated into the After Action Plan (Action Step #4).

- It was determined that the information in Action Step #10 would be communicated better in person and has, therefore, been incorporated into Action Step #13.

- DEQ staff has tentatively identify the week of October 26 to meet with representatives from the remaining 10 locations in the Flint Community Schools who were not present at the October 16 meeting at the Superintendent's office.

- DEQ staff has contacted DHHS to request a meeting regarding lead education materials for schools.

- The first plumbing assessment has been scheduled for Friday, October 23. The subsequent sampling of the first facility has been scheduled for Saturday, October 24. This decision was made jointly among DEQ, DLARA, and DHHS in an effort to ensure that sampling staff could properly evaluate the sampling protocol without the added pressure of completing the sampling process before students arrived on-site.

- The DEQ Laboratory has created a fillable PDF form for use in the school sampling protocol. This form was created to streamline the information gathering process. The form was submitted for review by staff in DEQ, DHHS, and DLARA, and comments were subsequently incorporated. The form is now complete and ready for use.

- The corrosion control treatment plan (CCTP) and permit application were received late last Friday, October 16, and were reviewed. Our review comments were provided to Flint's consultant [Lockwood, Andrews & Newnam, Inc. (LAN)]. The CCTP was forwarded to EPA on October 16, and their comments were received on October 19. A conference call was held on October 20 between our staff and Darren Lytle and Michael Schock of EPA to discuss the main comments (EPA's and DEQ's) to confirm that both agencies concur with the design and proposed corrosion control dosages. We are currently preparing a revised set of comments, based on our discussion with EPA. The revised comments will be sent to EPA to confirm concurrence before sending to LAN.

- An Act 399 permit will be issued to the city of Flint to install corrosion control treatment following receipt of revised plans, specs, and – as needed – a permit application that addresses the revised review comments.

- DEQ staff has contacted DHHS to schedule a meeting to discuss the development of childcare facility guidance. This guidance will be similar in nature to what is being done in schools but will be tailored to address the specific

concerns with younger children and the smaller plumbing infrastructure of typical childcare facilities.

Additional Actions:

- Standing meetings with the city of Flint have been scheduled for Fridays at 10:00 a.m. These meetings have been scheduled through December 18. In addition, a tour of the Flint Water Treatment Plant has been scheduled for October 23. The DEQ be taking video footage of the tour, showing the coordinated efforts being taken by the city of Flint, DEQ, DHHS, and DLARA. Genesee County Health Department (GCHD) has been invited to the Friday meetings as well as the tour, and GCHD is in the process of determining if they can participate.

- A meeting was held between staff from the DEQ, DLARA, and DHHS to discuss details regarding the flow and coordination of efforts for the school sampling protocol. It was mutually agreed that it was best to only do one school at first so that we can ensure that the process runs smoothly from partner to partner. The first plumbing evaluation will be done at Freeman Elementary School on Friday, October 23. Steve Busch of the DEQ will accompany staff from DLARA to answer questions they might have during their plumbing evaluations. The subsequent water sampling effort will take place the next day, on Saturday, October 24. It was agreed that taking the samples on Saturday would allow staff to be able to evaluate the sampling process without the added pressure of ensuring that the sampling was complete before students arrived at the building.

- DEQ Director Dan Wyant, Jim Sygo, George Krisztian, and Karen Tommasulo held a conference call with Dr. Susan Hedman, EPA's Regional Administrator, and other representatives from EPA to discuss the EPA's formation of the Flint Safe Drinking Water Task Force. The purpose of the Task Force is to provide one-stop shopping for technical assistance for the optimization of corrosion controls for the switch from Detroit Water and Sewerage Department to the Karegnondi Water Authority. EPA requested a point of contact for the DEQ, and Director Wyant suggested Chief Deputy Director Jim Sygo. EPA agreed that this was an appropriate choice and requested a formal letter indicating Chief Deputy Director Sygo as the point of contact.

- DHHS has indicated that the total water filter/pitcher distribution for the period of October 6 through October 20 was 9,373 units.

Prepared by: George Krisztian, Flint Action Plan Coordinator
Laboratory Director
Department of Environmental Quality
Telephone: 517-284-6719
[redacted] (new number)
October 21, 2015

Shaler, Karen (DEQ)

From: Thelen, Mary Beth (DEQ)
Sent: Friday, October 16, 2015 5:40 PM
To: Krisztian, George (DEQ); Sygo, Jim (DEQ); Shekter Smith, Liane (DEQ)
Cc: Shaler, Karen (DEQ); Devereaux, Tracy Jo (DEQ)
Subject: FW: EPA Establishes Safe Drinking Water Task Force to Provide Expertise to MDEQ and City of Flint

FYI.

From: Josh Singer [mailto:noreply-subscriptions@epa.gov]
Sent: Friday, October 16, 2015 12:18 PM
To: Olszewski, Rosemarie (DEQ)
Subject: EPA Establishes Safe Drinking Water Task Force to Provide Expertise to MDEQ and City of Flint

Contact Information: Anne Rowan, rowan.anne@epa.gov 312-353-9391

For Immediate Release No. 15-OPA160

EPA Establishes Safe Drinking Water Task Force to Provide Technical Expertise to MDEQ and City of Flint

Task Force providing technical assistance on reconnecting the Flint drinking water system to a new source

CHICAGO (October 16, 2015) - Today U.S. Environmental Protection Agency Region 5 Administrator Susan Hedman established the Flint Safe Drinking Water Task Force to provide the Agency's technical expertise through regular conversations with designated officials from Michigan Department of Environmental Quality (MDEQ) and the City of Flint. The Task Force will be led by the Region 5 Deputy Regional Administrator and will assist with developing and implementing a plan to secure water quality, including measures to optimize corrosion control. Task Force members will be available to consult with MDEQ and the City of Flint on site in Flint. The Task Force will also coordinate as necessary with federal, state and local public health agencies to assist with protection of public health.

Specifically, the Task Force will provide technical assistance to the MDEQ and the City of Flint to reconnect the Flint system to a new source of drinking water (to be supplied by the Great Lakes Water Authority) and to optimize corrosion control for the Flint system, starting in October 2015. The Task Force will also provide technical assistance to the MDEQ and the City of Flint, as needed, in advance of and following connection of the Flint water system to a new source of drinking water (to be supplied by the Karegnondi Water Authority) and to optimize corrosion control for the Flint system, starting in 2016.

"EPA is committed to working with our state and local partners to ensure a safe and reliable drinking water supply for the residents of Flint, Michigan," Hedman said. "The formation of this task force continues our commitment to providing technical assistance to the City of Flint and the State of Michigan."

The Task Force will be comprised of scientists and technical experts from the EPA Region 5 office in Chicago, the National Risk Management Research Lab in Cincinnati and the EPA drinking water program. In addition, EPA will ask the Governor to designate a MDEQ official and the Mayor of Flint to designate a city official, to serve as points of contact for the Task Force.

Governor Snyder - Signature Request Form

The Governor's office requires a two-week advance notice to review and prepare letters.
Expedited requests should be requested on a limited basis

Requestor's Contact Information: Name/Title: Jim Sygo, Chief Deputy Director

Department: Department of Environmental Quality Email: sygoj@michigan.gov

Phone: (517) 284-6709

Date of Request: 11/3/2015 Date Needed: 11/16/2015

Purpose of letter? (Brief Description)

The United States Environmental Protection Agency (USEPA), Region 5, established a Flint Safe Drinking Water Task Force and requested that Governor Snyder designate a DEQ point of contact for the Task Force.

Is your Group Executive aware and supportive of this request?

Yes. See attached Information Transmittal and Request for Governor's Action.

Letter Recipient Contact Information: Name (include title): Dr. Susan Hedman, Regional Administrator

Agency: USEPA, Region 5 Mailing Address: 77 W. Jackson Blvd. (R-19J), Chicago, IL

Email: hedman.susan@epa.gov Phone: (312) 353-5697

Please ensure the recipient's position coincides with the level of Governor. (i.e., the Agency Secretary/Director, rather than the Grants Program Manager). If documents need to be mailed or emailed directly to the recipient, please provide appropriate contact information (for those cc'd as well).

Prepare prepare one signed original as the letter will be sent via U.S. Mail.

If this is an expedited request, provide reason:

If this letter can be prepared before November 16, that would be great as the USEPA is awaiting receipt of this point of contact designation. In the meantime, the Task Force has been in contact with Jim Sygo as needed.

What is the federal funding source (if any)? N/A

What is the State Financial investment (if any)? N/A

List any Michigan Stakeholders supporting/opposing this request (if applicable, attach their letters of support/opposition):

N/A

Please attach final draft of letter language in a word document (if applicable). If possible, goal should be one page, (accounting for letterhead). *Has the draft letter been thoroughly proofed for grammar, correct spelling of names and correct addresses?*

Yes.

Attach any additional background information that may be useful (ex: grant narrative, other letters of support, etc).

Submit request to: Jean Hall at hallj16@michigan.gov (241-5493)
Please make sure you receive a confirmation email indicating your request was received.

Departments will be contacted when the document(s) are ready. They can be picked up at the Romney Building, 2nd Floor, main reception desk.

Dr. Susan Hedman, Regional Administrator
United States Environmental Protection Agency
Region 5
77 West Jackson Boulevard (R-19J)
Chicago, Illinois 60604-3507

Dear Dr. Hedman:

This letter is being sent in follow up to an October 20, 2015, conference call between the United States Environmental Protection Agency (USEPA), Region 5, and the Michigan Department of Environmental Quality (MDEQ). The purpose of that call was to discuss Region 5's Flint Safe Drinking Water Task Force (Task Force) that was established to provide the USEPA's technical expertise to the MDEQ and the city of Flint, Michigan.

During that call, it was requested that the State of Michigan provide the USEPA with an MDEQ point of contact for the Task Force. This is to inform you of the designation of Mr. Jim Sygo, Chief Deputy Director, MDEQ, as that point of contact. Mr. Sygo may be reached at 517-284-6709; sygoj@michigan.gov; or MDEQ, P.O. Box 30473, Lansing, Michigan 48909-7973.

Thank you for your assistance in this matter as we work together to ensure a safe and reliable drinking water supply for the city of Flint.

Sincerely,

Rick Snyder
Governor

cc: Mr. Robert Kaplan, Deputy Regional Administrator, USEPA, Region 5
Mr. Dan Wyant, Director, MDEQ
Mr. Jim Sygo, Chief Deputy Director, MDEQ

From: Wisniewski, Wendy (GOV)
Sent: Thursday, November 05, 2015 8:52 AM
To: Hall, Jean (GOV)
Subject: FW: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

My job here is done. ☺

From: Agen, Jarrod (GOV)
Sent: Thursday, November 05, 2015 8:35 AM
To: Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Approved

From: Wisniewski, Wendy (GOV)
Sent: Wednesday, November 04, 2015 10:13 AM
To: Agen, Jarrod (GOV) <AgenJ@michigan.gov>
Subject: FW: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15
Importance: High

Dennis signed off on this but I didn't know if you wanted to sign off too.

From: Hall, Jean (GOV)
Sent: Tuesday, November 03, 2015 4:44 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Mcbride, Bill (GOV) <mcbrideb@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>
Cc: Scott, Allison (GOV) <scotta12@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Khouri, Claire (GOV) <KhouriC@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Brown, Eric (GOV) <BrownE15@michigan.gov>; Blackwell, Rob (GOV) <Blackwellr2@michigan.gov>; Arwood, Cheri (GOV) <ArwoodC@michigan.gov>; Hansen, Rachel (GOV) <hansenr3@michigan.gov>; Taylor, Nicole (GOV) <TaylorN7@michigan.gov>; Brownfield, Michael (GOV) <BrownfieldM2@michigan.gov>; Redford, James (GOV) <RedfordJ@michigan.gov>; Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>; Thomet, Ruth (GOV) <ThometR@michigan.gov>; Stoken, Laura (GOV) <StokenL@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Lukasik, Liz (GOV) <LukasikL@michigan.gov>; Weber, Travis (GOV) <WeberT7@michigan.gov>; Ayers, Angela (GOV) <AyersA@michigan.gov>
Subject: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15
Importance: High

Hello All,

DEQ is seeking the Governor's signature on the attached letter to Dr. Susan Hedman, Regional Administrator, USEPA, Region 5. The letter designates Jim Sygo, Chief Deputy Director, MDEQ as the DEQ point person for the USEPA – Region 5 Flint Safe Drinking Water Task Force.

For your reference, DEQ provided the attached Transmittal Form , along with a copy of the October 21 Flint Drinking Water Action Plan Update which includes a summary about the conference call with USEPA and MDEQ where the USEPA requested this letter. The attachment also includes the

USEPA's October 16 press release about the establishment of the Task Force (see yellow highlighted text in both attachments)

Your approval, input, and/or changes are needed by EOB by **Tues. 11.10.15.**

If you have any questions or need additional background information, please let me know.

Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
HallJ16@michigan.gov
517-241-5493

From: Wisniewski, Wendy (GOV)
Sent: Thursday, November 05, 2015 9:07 AM
To: Hall, Jean (GOV)
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Not yet. ☺

From: Hall, Jean (GOV)
Sent: Thursday, November 05, 2015 8:54 AM
To: Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Yes. Let's go out somewhere ☺. Do you have our schedule yet for the beer festivals?

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hall16@michigan.gov
517-241-5493

From: Wisniewski, Wendy (GOV)
Sent: Thursday, November 05, 2015 8:52 AM
To: Hall, Jean (GOV) <hall16@michigan.gov>
Subject: FW: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

My job here is done. ☺

From: Agen, Jarrod (GOV)
Sent: Thursday, November 05, 2015 8:35 AM
To: Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Approved

From: Wisniewski, Wendy (GOV)
Sent: Wednesday, November 04, 2015 10:13 AM
To: Agen, Jarrod (GOV) <AgenJ@michigan.gov>
Subject: FW: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15
Importance: High

Dennis signed off on this but I didn't know if you wanted to sign off too.

From: Hall, Jean (GOV)
Sent: Tuesday, November 03, 2015 4:44 PM

To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Mcbride, Bill (GOV) <mcbrideb@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>
Cc: Scott, Allison (GOV) <scotta12@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Khouri, Claire (GOV) <KhouriC@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Brown, Eric (GOV) <BrownE15@michigan.gov>; Blackwell, Rob (GOV) <Blackwellr2@michigan.gov>; Arwood, Cheri (GOV) <ArwoodC@michigan.gov>; Hansen, Rachel (GOV) <hansenr3@michigan.gov>; Taylor, Nicole (GOV) <TaylorN7@michigan.gov>; Brownfield, Michael (GOV) <BrownfieldM2@michigan.gov>; Redford, James (GOV) <RedfordJ@michigan.gov>; Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>; Thomet, Ruth (GOV) <ThometR@michigan.gov>; Stoken, Laura (GOV) <StokenL@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Lukasik, Liz (GOV) <LukasikL@michigan.gov>; Weber, Travis (GOV) <WeberT7@michigan.gov>; Ayers, Angela (GOV) <AyersA@michigan.gov>
Subject: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15
Importance: High

Hello All,

DEQ is seeking the Governor's signature on the attached letter to Dr. Susan Hedman, Regional Administrator, USEPA, Region 5. The letter designates Jim Sygo, Chief Deputy Director, MDEQ as the DEQ point person for the USEPA – Region 5 Flint Safe Drinking Water Task Force.

For your reference, DEQ provided the attached Transmittal Form , along with a copy of the October 21 Flint Drinking Water Action Plan Update which includes a summary about the conference call with USEPA and MDEQ where the USEPA requested this letter. The attachment also includes the USEPA's October 16 press release about the establishment of the Task Force (see yellow highlighted text in both attachments)

Your approval, input, and/or changes are needed by EOB by **Tues. 11.10.15.**

If you have any questions or need additional background information, please let me know.

Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hall16@michigan.gov
517-241-5493

From: Brownfield, Michael (GOV)
Sent: Wednesday, November 04, 2015 7:58 AM
To: Hall, Jean (GOV)
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Looks fine to me, but given the subject matter I think you probably want to get a sign off from someone who has been plugged into this issue (Beth or Jarrod, I guess.)

From: Hall, Jean (GOV)
Sent: Tuesday, November 03, 2015 4:44 PM
To: Muchmore, Dennis (GOV); Mcbride, Bill (GOV); Agen, Jarrod (GOV); Walsh, John (GOV)
Cc: Scott, Allison (GOV); Clement, Elizabeth (GOV); Khouri, Claire (GOV); Wurfel, Sara (GOV); Brown, Eric (GOV); Blackwell, Rob (GOV); Arwood, Cheri (GOV); Hansen, Rachel (GOV); Taylor, Nicole (GOV); Brownfield, Michael (GOV); Redford, James (GOV); Wisniewski, Wendy (GOV); Thomet, Ruth (GOV); Stoken, Laura (GOV); Kennedy, Jordan (GOV); Lukasik, Liz (GOV); Weber, Travis (GOV); Ayers, Angela (GOV)
Subject: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Hello All,

DEQ is seeking the Governor's signature on the attached letter to Dr. Susan Hedman, Regional Administrator, USEPA, Region 5. The letter designates Jim Sygo, Chief Deputy Director, MDEQ as the DEQ point person for the USEPA – Region 5 Flint Safe Drinking Water Task Force.

For your reference, DEQ provided the attached Transmittal Form , along with a copy of the October 21 Flint Drinking Water Action Plan Update which includes a summary about the conference call with USEPA and MDEQ where the USEPA requested this letter. The attachment also includes the USEPA's October 16 press release about the establishment of the Task Force (see yellow highlighted text in both attachments)

Your approval, input, and/or changes are needed by EOB by **Tues. 11.10.15.**

If you have any questions or need additional background information, please let me know.

Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hallj15@michigan.gov
517-241-5493

From: Taylor, Nicole (GOV)
Sent: Wednesday, November 04, 2015 2:04 PM
To: Hall, Jean (GOV)
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Hi Jean----

I guess I need a little caffeine. I accidentally typed my name in the approval box and entered it for this one before doing Bill's name correctly. Sorry for the double approval!

Thanks!

Nicole Taylor | State of Michigan -- Washington, D.C. Office of the Governor | 202.624.5840

From: Mcbride, Bill (GOV)
Sent: Wednesday, November 04, 2015 8:57 AM
To: Hall, Jean (GOV) <halli16@michigan.gov>
Cc: Taylor, Nicole (GOV) <TaylorN7@michigan.gov>
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

ok

From: Hall, Jean (GOV)
Sent: Tuesday, November 03, 2015 4:44 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Mcbride, Bill (GOV) <mcbrideb@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>
Cc: Scott, Allison (GOV) <scotta12@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Khouri, Claire (GOV) <KhouriC@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Brown, Eric (GOV) <BrownE15@michigan.gov>; Blackwell, Rob (GOV) <Blackwellr2@michigan.gov>; Arwood, Cheri (GOV) <ArwoodC@michigan.gov>; Hansen, Rachel (GOV) <hansenr3@michigan.gov>; Taylor, Nicole (GOV) <TaylorN7@michigan.gov>; Brownfield, Michael (GOV) <BrownfieldM2@michigan.gov>; Redford, James (GOV) <RedfordJ@michigan.gov>; Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>; Thomet, Ruth (GOV) <ThometR@michigan.gov>; Stoken, Laura (GOV) <Stokenl@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Lukasik, Liz (GOV) <LukasikL@michigan.gov>; Weber, Travis (GOV) <WeberT7@michigan.gov>; Ayers, Angela (GOV) <AyersA@michigan.gov>
Subject: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15
Importance: High

Hello All,

DEQ is seeking the Governor's signature on the attached letter to Dr. Susan Hedman, Regional Administrator, USEPA, Region 5. The letter designates Jim Sygo, Chief Deputy Director, MDEQ as the DEQ point person for the USEPA – Region 5 Flint Safe Drinking Water Task Force.

For your reference, DEQ provided the attached Transmittal Form , along with a copy of the October 21 Flint Drinking Water Action Plan Update which includes a summary about the conference call with

USEPA and MDEQ where the USEPA requested this letter. The attachment also includes the USEPA's October 16 press release about the establishment of the Task Force (see yellow highlighted text in both attachments)

Your approval, input, and/or changes are needed by EOB by **Tues. 11.10.15.**

If you have any questions or need additional background information, please let me know.

Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hall16@michigan.gov
517-241-5493

From: Hall, Jean (GOV)
Sent: Wednesday, November 04, 2015 2:15 PM
To: 'Taylor, Nicole (GOV)'
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

No worries at all!

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
HallJ16@michigan.gov
517-241-5493

From: Taylor, Nicole (GOV)
Sent: Wednesday, November 04, 2015 2:04 PM
To: Hall, Jean (GOV) <hallj16@michigan.gov>
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Hi Jean----

I guess I need a little caffeine. I accidentally typed my name in the approval box and entered it for this one before doing Bill's name correctly. Sorry for the double approval!

Thanks!

Nicole Taylor | State of Michigan -- Washington, D.C. Office of the Governor | 202.624.5840

From: Mcbride, Bill (GOV)
Sent: Wednesday, November 04, 2015 8:57 AM
To: Hall, Jean (GOV) <hallj16@michigan.gov>
Cc: Taylor, Nicole (GOV) <TaylorN7@michigan.gov>
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

ok

From: Hall, Jean (GOV)
Sent: Tuesday, November 03, 2015 4:44 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Mcbride, Bill (GOV) <mcbrideb@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>
Cc: Scott, Allison (GOV) <scotta12@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Khouri, Claire (GOV) <KhouriC@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Brown, Eric (GOV) <BrownE15@michigan.gov>; Blackwell, Rob (GOV) <Blackwellr2@michigan.gov>; Arwood, Cheri (GOV) <ArwoodC@michigan.gov>; Hansen, Rachel (GOV) <hansenr3@michigan.gov>; Taylor, Nicole (GOV) <TaylorN7@michigan.gov>; Brownfield, Michael (GOV) <BrownfieldM2@michigan.gov>; Redford, James (GOV) <RedfordJ@michigan.gov>; Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>; Thomet, Ruth (GOV)

<ThometR@michigan.gov>; Stoken, Laura (GOV) <StokenL@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Lukasik, Liz (GOV) <LukasikL@michigan.gov>; Weber, Travis (GOV) <WeberT7@michigan.gov>; Ayers, Angela (GOV) <AyersA@michigan.gov>
Subject: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15
Importance: High

Hello All,

DEQ is seeking the Governor's signature on the attached letter to Dr. Susan Hedman, Regional Administrator, USEPA, Region 5. The letter designates Jim Sygo, Chief Deputy Director, MDEQ as the DEQ point person for the USEPA – Region 5 Flint Safe Drinking Water Task Force.

For your reference, DEQ provided the attached Transmittal Form , along with a copy of the October 21 Flint Drinking Water Action Plan Update which includes a summary about the conference call with USEPA and MDEQ where the USEPA requested this letter. The attachment also includes the USEPA's October 16 press release about the establishment of the Task Force (see yellow highlighted text in both attachments)

Your approval, input, and/or changes are needed by EOB by **Tues. 11.10.15.**

If you have any questions or need additional background information, please let me know.

Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
HallJ16@michigan.gov
517-241-5493

From: Hall, Jean (GOV)
Sent: Thursday, November 05, 2015 8:54 AM
To: 'Wisniewski, Wendy (GOV)'
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Yes. Let's go out somewhere ☺. Do you have our schedule yet for the beer festivals?

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
HallJ16@michigan.gov
517-241-5493

From: Wisniewski, Wendy (GOV)
Sent: Thursday, November 05, 2015 8:52 AM
To: Hall, Jean (GOV) <hallj16@michigan.gov>
Subject: FW: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

My job here is done. ☺

From: Agen, Jarrod (GOV)
Sent: Thursday, November 05, 2015 8:35 AM
To: Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>
Subject: RE: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15

Approved

From: Wisniewski, Wendy (GOV)
Sent: Wednesday, November 04, 2015 10:13 AM
To: Agen, Jarrod (GOV) <AgenJ@michigan.gov>
Subject: FW: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15
Importance: High

Dennis signed off on this but I didn't know if you wanted to sign off too.

From: Hall, Jean (GOV)
Sent: Tuesday, November 03, 2015 4:44 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Mcbride, Bill (GOV) <mcbrideb@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>
Cc: Scott, Allison (GOV) <scotta12@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Khouri, Claire (GOV) <KhouriC@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Brown, Eric (GOV) <BrownE15@michigan.gov>; Blackwell, Rob (GOV) <Blackwellr2@michigan.gov>; Arwood, Cheri (GOV) <ArwoodC@michigan.gov>; Hansen, Rachel (GOV) <hansenr3@michigan.gov>; Taylor, Nicole (GOV) <TaylorN7@michigan.gov>; Brownfield, Michael (GOV) <BrownfieldM2@michigan.gov>; Redford, James (GOV) <RedfordJ@michigan.gov>; Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>; Thomet, Ruth (GOV)

<ThometR@michigan.gov>; Stoken, Laura (GOV) <StokenL@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Lukasik, Liz (GOV) <LukasikL@michigan.gov>; Weber, Travis (GOV) <WeberT7@michigan.gov>; Ayers, Angela (GOV) <AyersA@michigan.gov>
Subject: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15
Importance: High

Hello All,

DEQ is seeking the Governor's signature on the attached letter to Dr. Susan Hedman, Regional Administrator, USEPA, Region 5. The letter designates Jim Sygo, Chief Deputy Director, MDEQ as the DEQ point person for the USEPA – Region 5 Flint Safe Drinking Water Task Force.

For your reference, DEQ provided the attached Transmittal Form , along with a copy of the October 21 Flint Drinking Water Action Plan Update which includes a summary about the conference call with USEPA and MDEQ where the USEPA requested this letter. The attachment also includes the USEPA's October 16 press release about the establishment of the Task Force (see yellow highlighted text in both attachments)

Your approval, input, and/or changes are needed by EOB by **Tues. 11.10.15.**

If you have any questions or need additional background information, please let me know.

Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
HallJ16@michigan.gov
517-241-5493

From: Hall, Jean (GOV)
Sent: Thursday, November 05, 2015 11:10 AM
To: Scott, Allison (GOV)
Cc: Hansen, Rachel (GOV)
Subject: FW: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15
Attachments: 11.2.15 DEQ USEPA Flint Water Task Force.doc; Information Transmittal USEPA Task Force 11-3-15.pdf

Importance: High

Hi Allison,

Approvals are in place for the attached letter. Please let me know if you have any concerns, otherwise I will plan to auto-pen tomorrow morning.

Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
HallJ16@michigan.gov
517-241-5493

From: Hall, Jean (GOV)
Sent: Tuesday, November 03, 2015 4:44 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Mcbride, Bill (GOV) <mcbrideb@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>
Cc: Scott, Allison (GOV) <scotta12@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Khouri, Claire (GOV) <KhouriC@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Brown, Eric (GOV) <BrownE15@michigan.gov>; Blackwell, Rob (GOV) <Blackwellr2@michigan.gov>; Arwood, Cheri (GOV) <ArwoodC@michigan.gov>; Hansen, Rachel (GOV) <hansenr3@michigan.gov>; Taylor, Nicole (GOV) <TaylorN7@michigan.gov>; Brownfield, Michael (GOV) <BrownfieldM2@michigan.gov>; Redford, James (GOV) <RedfordJ@michigan.gov>; Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>; Thomet, Ruth (GOV) <ThometR@michigan.gov>; Stoken, Laura (GOV) <StokenL@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Lukasik, Liz (GOV) <LukasikL@michigan.gov>; Weber, Travis (GOV) <WeberT7@michigan.gov>; Ayers, Angela (GOV) <AyersA@michigan.gov>
Subject: DEQ Seeks Gov. Signature- Letter to EPA - Flint Safe Drinking Water POC - NEEDED BY Tues. 11.10.15
Importance: High

Hello All,

DEQ is seeking the Governor's signature on the attached letter to Dr. Susan Hedman, Regional Administrator, USEPA, Region 5. The letter designates Jim Sygo, Chief Deputy Director, MDEQ as the DEQ point person for the USEPA – Region 5 Flint Safe Drinking Water Task Force.

For your reference, DEQ provided the attached Transmittal Form , along with a copy of the October 21 Flint Drinking Water Action Plan Update which includes a summary about the conference call with USEPA and MDEQ where the USEPA requested this letter. The attachment also includes the USEPA's October 16 press release about the establishment of the Task Force (see yellow highlighted text in both attachments)

Your approval, input, and/or changes are needed by EOB by **Tues. 11.10.15.**

If you have any questions or need additional background information, please let me know.

Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hall116@michigan.gov
517-241-5493

STATE OF MICHIGAN
EXECUTIVE OFFICE
LANSING

RICK SNYDER
GOVERNOR

BRIAN CALLEY
LT. GOVERNOR

November 2, 2015

Dr. Susan Hedman, Regional Administrator
United States Environmental Protection Agency
Region 5
77 West Jackson Boulevard (R-19J)
Chicago, Illinois 60604-3507

Dear Dr. Hedman:

This letter is in follow up to a conference call on October 20, 2015 between the United States Environmental Protection Agency (USEPA), Region 5, and the Michigan Department of Environmental Quality (MDEQ). The purpose of that call was to discuss Region 5's Flint Safe Drinking Water Task Force (Task Force) that was established to provide the USEPA's technical expertise to the MDEQ and the city of Flint, Michigan.

During that call, it was requested that the State of Michigan provide the USEPA with an MDEQ point of contact for the Task Force. This letter is to inform you of the designation of Mr. Jim Sygo, Chief Deputy Director, MDEQ, as that point of contact. Mr. Sygo's contact information is below:

Michigan Department of Environmental Quality
P.O. Box 30473
Lansing, MI 48909-7973
sygoj@michigan.gov
517-284-6709

Thank you for your assistance in this matter as we work together to ensure a safe and reliable drinking water supply for the city of Flint.

Sincerely,

Rick Snyder
Governor

cc: Mr. Robert Kaplan, Deputy Regional Administrator, USEPA, Region 5
Mr. Dan Wyant, Director, MDEQ
Mr. Jim Sygo, Chief Deputy Director, MDEQ

DEQ

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
EXECUTIVE DIVISION

INFORMATION TRANSMITTAL AND REQUEST FOR GOVERNOR'S ACTION

TO: Governor Rick Snyder via Jean Hall

FROM: Dan Wyant, Director

DATE: November 3, 2015

SUBJECT: Task Force Point of Contact Designation Letter to Susan Hedman, Regional Administrator, United States Environmental Protection Agency, Region 5

Action Taken by DEQ (action requested of Governor's Office in parentheses)
☒ Letter (for Governor's signature – draft attached)
☐ Printed Material (for Governor's signature – attached)
☐ Proclamation Request (for Governor's signature – draft attached)
☐ Telephone Call (for Governor's information – explanation given under "Situation Description")
☐ Other:

Governor's Action Requested By: November 16, 2015

Situation Description: During an October 20 conference call between the USEPA and DEQ regarding USEPA's establishment of the Flint Safe Drinking Water Task Force, the USEPA requested that Governor Snyder designate a DEQ point of contact for the Task Force. Attached are a draft letter to be signed by Governor Snyder, the October 21 Flint Drinking Water Action Plan Update regarding the conference call, and USEPA's October 16 press release regarding the establishment of the Task Force. Please contact Karen Shaler, Executive Division, DEQ, at shalerk@michigan.gov when the letter is ready to be picked up. Thank you.

Contact Person's Name: Jim Sygo, Chief Deputy Director
DEQ Division/Office: Executive Division
Telephone: 517-284-6709
E-Mail Address: sygoj@michigan.gov

Governor's Response (for Governor's Office use only):

Flint Drinking Water Action Plan Update

FOIA EXEMPT AND ATTORNEY-CLIENT PRIVILEGE

- Action Step #1 has been incorporated into the After Action Plan (Action Step #4).

- It was determined that the information in Action Step #10 would be communicated better in person and has, therefore, been incorporated into Action Step #13.

- DEQ staff has tentatively identify the week of October 26 to meet with representatives from the remaining 10 locations in the Flint Community Schools who were not present at the October 16 meeting at the Superintendent's office.

- DEQ staff has contacted DHHS to request a meeting regarding lead education materials for schools.

- The first plumbing assessment has been scheduled for Friday, October 23. The subsequent sampling of the first facility has been scheduled for Saturday, October 24. This decision was made jointly among DEQ, DLARA, and DHHS in an effort to ensure that sampling staff could properly evaluate the sampling protocol without the added pressure of completing the sampling process before students arrived on-site.

- The DEQ Laboratory has created a fillable PDF form for use in the school sampling protocol. This form was created to streamline the information gathering process. The form was submitted for review by staff in DEQ, DHHS, and DLARA, and comments were subsequently incorporated. The form is now complete and ready for use.

- The corrosion control treatment plan (CCTP) and permit application were received late last Friday, October 16, and were reviewed. Our review comments were provided to Flint's consultant [Lockwood, Andrews & Newnam, Inc. (LAN)]. The CCTP was forwarded to EPA on October 16, and their comments were received on October 19. A conference call was held on October 20 between our staff and Darren Lytle and Michael Schock of EPA to discuss the main comments (EPA's and DEQ's) to confirm that both agencies concur with the design and proposed corrosion control dosages. We are currently preparing a revised set of comments, based on our discussion with EPA. The revised comments will be sent to EPA to confirm concurrence before sending to LAN.

- An Act 399 permit will be issued to the city of Flint to install corrosion control treatment following receipt of revised plans, specs, and – as needed – a permit application that addresses the revised review comments.

- DEQ staff has contacted DHHS to schedule a meeting to discuss the development of childcare facility guidance. This guidance will be similar in nature to what is being done in schools but will be tailored to address the specific

concerns with younger children and the smaller plumbing infrastructure of typical childcare facilities.

Additional Actions:

- Standing meetings with the city of Flint have been scheduled for Fridays at 10:00 a.m. These meetings have been scheduled through December 18. In addition, a tour of the Flint Water Treatment Plant has been scheduled for October 23. The DEQ be taking video footage of the tour, showing the coordinated efforts being taken by the city of Flint, DEQ, DHHS, and DLARA. Genesee County Health Department (GCHD) has been invited to the Friday meetings as well as the tour, and GCHD is in the process of determining if they can participate.

- A meeting was held between staff from the DEQ, DLARA, and DHHS to discuss details regarding the flow and coordination of efforts for the school sampling protocol. It was mutually agreed that it was best to only do one school at first so that we can ensure that the process runs smoothly from partner to partner. The first plumbing evaluation will be done at Freeman Elementary School on Friday, October 23. Steve Busch of the DEQ will accompany staff from DLARA to answer questions they might have during their plumbing evaluations. The subsequent water sampling effort will take place the next day, on Saturday, October 24. It was agreed that taking the samples on Saturday would allow staff to be able to evaluate the sampling process without the added pressure of ensuring that the sampling was complete before students arrived at the building.

- DEQ Director Dan Wyant, Jim Sygo, George Krisztian, and Karen Tommasulo held a conference call with Dr. Susan Hedman, EPA's Regional Administrator, and other representatives from EPA to discuss the EPA's formation of the Flint Safe Drinking Water Task Force. The purpose of the Task Force is to provide one-stop shopping for technical assistance for the optimization of corrosion controls for the switch from Detroit Water and Sewerage Department to the Karegnondi Water Authority. EPA requested a point of contact for the DEQ, and Director Wyant suggested Chief Deputy Director Jim Sygo. EPA agreed that this was an appropriate choice and requested a formal letter indicating Chief Deputy Director Sygo as the point of contact.

- DHHS has indicated that the total water filter/pitcher distribution for the period of October 6 through October 20 was 9,373 units.

Prepared by: George Krisztian, Flint Action Plan Coordinator
Laboratory Director
Department of Environmental Quality
Telephone: 517-284-6719
Cell: [redacted] (new number)
October 21, 2015

Shaler, Karen (DEQ)

From: Thelen, Mary Beth (DEQ)
Sent: Friday, October 16, 2015 5:40 PM
To: Krisztian, George (DEQ); Sygo, Jim (DEQ); Shekter Smith, Liane (DEQ)
Cc: Shaler, Karen (DEQ); Devereaux, Tracy Jo (DEQ)
Subject: FW: EPA Establishes Safe Drinking Water Task Force to Provide Expertise to MDEQ and City of Flint

FYI.

From: Josh Singer [mailto:noreply-subscriptions@epa.gov]
Sent: Friday, October 16, 2015 12:18 PM
To: Olszewski, Rosemarie (DEQ)
Subject: EPA Establishes Safe Drinking Water Task Force to Provide Expertise to MDEQ and City of Flint

Contact Information: Anne Rowan, rowan.anne@epa.gov 312-353-9391

For Immediate Release No. 15-OPA160

EPA Establishes Safe Drinking Water Task Force to Provide Technical Expertise to MDEQ and City of Flint

Task Force providing technical assistance on reconnecting the Flint drinking water system to a new source

CHICAGO (October 16, 2015) - Today U.S. Environmental Protection Agency Region 5 Administrator Susan Hedman established the Flint Safe Drinking Water Task Force to provide the Agency's technical expertise through regular conversations with designated officials from Michigan Department of Environmental Quality (MDEQ) and the City of Flint. The Task Force will be led by the Region 5 Deputy Regional Administrator and will assist with developing and implementing a plan to secure water quality, including measures to optimize corrosion control. Task Force members will be available to consult with MDEQ and the City of Flint on site in Flint. The Task Force will also coordinate as necessary with federal, state and local public health agencies to assist with protection of public health.

Specifically, the Task Force will provide technical assistance to the MDEQ and the City of Flint to reconnect the Flint system to a new source of drinking water (to be supplied by the Great Lakes Water Authority) and to optimize corrosion control for the Flint system, starting in October 2015. The Task Force will also provide technical assistance to the MDEQ and the City of Flint, as needed, in advance of and following connection of the Flint water system to a new source of drinking water (to be supplied by the Karegnondi Water Authority) and to optimize corrosion control for the Flint system, starting in 2016.

"EPA is committed to working with our state and local partners to ensure a safe and reliable drinking water supply for the residents of Flint, Michigan," Hedman said. "The formation of this task force continues our commitment to providing technical assistance to the City of Flint and the State of Michigan."

The Task Force will be comprised of scientists and technical experts from the EPA Region 5 office in Chicago, the National Risk Management Research Lab in Cincinnati and the EPA drinking water program. In addition, EPA will ask the Governor to designate a MDEQ official and the Mayor of Flint to designate a city official, to serve as points of contact for the Task Force.

From: Kelenske, Chris (MSP)
Sent: Monday, September 28, 2015 5:57 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV)
Cc: Katarsky, Anthony (MSP); Leix, Ron (MSP); Banner, Shanon (MSP); Wurfel, Sara (GOV); Murray, David (GOV)
Subject: RE: Flint Water Issue - Rep. Kildee Letter Received By Federal Agencies

Follow Up Flag: Flag for follow up
Flag Status: Flagged

I just caught this...the photo and the scenario in the ppt are HYPOTHETICAL. I have staff following up with the Genesee County EM.

Chris

From: Kelenske, Chris (MSP)
Sent: Monday, September 28, 2015 5:43 PM
To: Etue, Kriste (MSP); Gorski, Gary (MSP); Smith, Paul (GOV)
Cc: Katarsky, Anthony (MSP); Leix, Ron (MSP); Banner, Shanon (MSP); Wurfel, Sara (GOV); Murray, David (GOV)
Subject: Flint Water Issue - Rep. Kildee Letter Received By Federal Agencies
Importance: High

Attached are two documents for your information: 1) A letter from US Representative Kildee to Craig Fugate of FEMA, HHS, EPA, and CDC and 2) a PowerPoint on Flint water concerns. Essentially, Representative Kildee is requesting FEMA take action to resolve potable water quality issues associated with the Flint water system.

This is the first we heard of the letter and I actually found out from the FEMA Region V Director when he called me about an hour ago. He and I discussed a few things on this and he will respond advising they need to work through the local EM system in MI (engaging the local EM and then EMHSD). They also are working through the local health department as I confirmed with Dr. Scott from DHHS. If Flint needs water or want water the first step is to handle it locally (at least on the EM side and then push up any gaps they cannot fill to us). We are not aware of any work the local EM has done in this regard. I will be with the FEMA Region V Director as well as the FEMA Administrator, Craig Fugate, this week if they have questions.

I have advised Dr. Jackie Scott from DHHS and will be sending her the letter and ppt.

Chris

Capt. Chris A. Kelenske
Deputy State Director/Commander
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
(517) 333-5042

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY."

JOIN THE MSP

From: Hollins, Harvey (GOV)
Sent: Tuesday, September 15, 2015 9:57 AM
To: Clayton, Stacie (GOV)
Subject: FW: Follow up to previous email

From: Muchmore, Dennis (GOV)
Sent: Tuesday, September 15, 2015 9:57:10 AM (UTC-05:00) Eastern Time (US & Canada)
To: Khouri, Nick (TREASURY); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY); Wyant, Dan (DEQ); Roberts, John (DTMB)
Cc: Wurfel, Brad (DEQ); Agen, Jarrod (GOV); Clement, Elizabeth (GOV); Hollins, Harvey (GOV)
Subject: Follow up to previous email

Flint asks Snyder for $30M to upgrade water system

Associated Press 7:52 a.m. EDT September 15, 2015

Water from the Flint River rushes into the Flint water treatment plant in Flint.(Photo: File photo)

1 CONNECTTWEETLINKEDIN 2 COMMENTEMAILMORE

Flint — The mayor of Flint is asking Michigan Gov. Rick Snyder for $30 million to help upgrade the city's water system and replace lead service pipes.

The Flint Journal reports Mayor Dayne Walling announced his request while speaking Monday to the City Council. The request was made that day in a letter to Snyder.

The funds sought by Walling include $10 million to replace lead service lines and plumbing that can leach lead into drinking water. Virginia Tech researchers testing Flint's water have said residents shouldn't drink or cook with city water without flushing lines or using a filter.

The U.S. Environmental Protection Agency says Flint's water is within levels allowed for lead. The agency has said it would help the city in its efforts to reduce lead.

From: Lyon, Nick (DHHS)
Sent: Monday, January 04, 2016 3:20 PM
To: Baird, Richard (GOV)
Cc: Clement, Elizabeth (GOV); Creagh, Keith (DEQ)
Subject: FW: PRESS RELEASE: GENESEE COUNTY COMMISSIONERS DECLARE EMERGENCY

From: Lasher, Geralyn (DHHS)
Sent: Monday, January 04, 2016 2:11 PM
To: Lyon, Nick (DHHS) <LyonN2@michigan.gov>; Becker, Timothy (DHHS) <beckert1@michigan.gov>; Granger, Patricia (DHHS) <GrangerP@michigan.gov>; Grijalva, Nancy (DHHS) <GrijalvaN@michigan.gov>; Hertel, Elizabeth (DHHS) <HertelE@michigan.gov>; Wells, Eden (DHHS) <WellsE3@michigan.gov>; Moran, Susan (DHHS) <MoranS@michigan.gov>; Dykema, Linda D. (DHHS) <DykemaL@michigan.gov>
Cc: Minicuci, Angela (DHHS) <MinicuciA@michigan.gov>; Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>
Subject: FW: PRESS RELEASE: GENESEE COUNTY COMMISSIONERS DECLARE EMERGENCY

From: Kristin Moore [mailto:kmoore@cityofflint.com]
Sent: Monday, January 04, 2016 2:03 PM
Subject: PRESS RELEASE: GENESEE COUNTY COMMISSIONERS DECLARE EMERGENCY

Kristin Moore
Public Relations Director, City of Flint
kmoore@cityofflint.com

FOR IMMEDIATE RELEASE

GENESEE COUNTY COMMISSIONERS DECLARE EMERGENCY

Flint, MI -- January 4, 2016 – During their first board meeting of the year, Monday morning, Genesee County Commissioners declared a state of emergency in Genesee County. The move a sign that county leaders support Flint Mayor Dr. Karen Weaver and her efforts to get resources and relief to the residents suffering from the ongoing water situation in the city.

Mayor Weaver declared a state of emergency in Flint last month to raise awareness about the severity of the problems surrounding the water situation that continues to effect residents. The problems a result of the man-made disaster caused by the city switching to the Flint River as a water source in 2014.

Following the board's vote today, Genesee County Commission Chairperson, Jaime Curtis said, "This is a state, man-made disaster and we're going to ask the state to fix their disaster. Curtis also said, "Genesee County is the fifth largest county in Michigan and we will not be ignored."

Mayor Weaver hopes the county's show of support will convince the Governor to provide the City of Flint with financial support to help leaders address immediate infrastructure needs. Those needs include more than $45 million to replace every identified lead pipe in the city, reimbursement of the $2 million spent to switch back to the Detroit Water Sewerage Department, $6 million to help with the transfer to the Karegnondi pipeline and additional resources to support the city's Heath Initiative to assist affected adults and children in Flint who have consumed water contaminated with lead.

In an interview with media after the board's emergency declaration Mayor Weaver said, "It's a victory and a step in the right direction." The mayor plans to meet with Governor Snyder in Lansing Thursday of this week to discuss the state's response and next steps.

###

From: Bedan, Morgan (GOV)
Sent: Tuesday, October 13, 2015 4:25 PM
To: Agen, Jarrod (GOV)
Subject: RE: Flint Timeline

Will do.

From: Agen, Jarrod (GOV)
Sent: Tuesday, October 13, 2015 4:14 PM
To: Dickinson, Sarah (GOV) <DickinsonS@michigan.gov>; Bedan, Morgan (GOV) <BedanM@michigan.gov>
Cc: Scott, Allison (GOV) <scotta12@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Subject: Flint Timeline
Importance: High

Can we put into Gov's briefing tonight?

Kurtz was EM at time of final decision/move to switch to KWA. Earley was EM at time of switch to Flint River water.

Flint EM dates (financial emergency declared in December 2011)

Mike Brown, apptd 12-1-11 (when fin emer declared under PA 4 of 2011)
Ed Kurtz, apptd 8-8-12 (when PA4 was repealed in Aug 2012, Brown couldn't serve as EM, PA 72 back in effect)
Mike Brown, apptd 7-4-13 (Kurtz retired; PA436 in effect)
Darnell Earley, apptd 10-8-13 (Brown resigned)
Gerald Ambrose, apptd 1-13-15 (Earley appointed DPS EM)

Financial Emergency resolved, 4-29-15 (RTAB apptd)

Other dates

June 26, 2012 – Letter from EM Brown to DWSD seeking permission to blend river water with DWSD water (attached).

Sept. 20, 2012 – Letter from EM Kurtz to DWSD requesting written permission to implement blending (attached).

March 25, 2013 – The Flint City Council endorses joining KWA (see url below)
http://blog.mlive.com/newsnow_impact/print.html?entry=/2013/03/flint_city_council_approves_re.html

April 11, 2013 – Treasurer Dillion sends letter to EM Kurtz (attached) noting conditional approval of move to KWA (pursuant to PA436), pending a review of DWSD's last, best offer.

April 16, 2013 – EM Kurtz informs Treasury that the City will join KWA (attached).

April 17, 2013 – DWSD transmits letter to EM Kurtz terminating service to Flint, effective April 17, 2014 (attached).

April 17, 2014 – Water service from DWSD officially ends.

From: Minicuci, Angela (DHHS)
Sent: Wednesday, October 07, 2015 6:29 PM
To: Murray, David (GOV)
Subject: RE: URGENT review please -- Draft Flint water release

KNOCK ON WOOD

Angela

From: Murray, David (GOV)
Sent: Wednesday, October 07, 2015 6:27 PM
To: Minicuci, Angela (DHHS) <MinicuciA@michigan.gov>
Subject: RE: URGENT review please -- Draft Flint water release

You are awesome, Angela! Thank you for the help.

I think there is light at the end of the tunnel.

From: Minicuci, Angela (DHHS)
Sent: Wednesday, October 07, 2015 6:27 PM
To: Murray, David (GOV) <MurrayD1@michigan.gov>
Subject: RE: URGENT review please -- Draft Flint water release

Looks good on my end.

Angela

From: Murray, David (GOV)
Sent: Wednesday, October 07, 2015 6:12 PM
To: Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Biehl, Laura (GOV) <BiehlL@michigan.gov>; Heaton, Anna (GOV) <HeatonA@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Brown, Jessica (GOV) <BrownJ53@michigan.gov>; Paciorek, Josh (GOV) <Paciorekj@michigan.gov>; Lasher, Geralyn (DHHS) <lasherg@michigan.gov>; Minicuci, Angela (DHHS) <MinicuciA@michigan.gov>; Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Tommasulo, Karen (DEQ) <TommasuloK@michigan.gov>; Clement, Elizabeth (GOV) <clemente@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Posthumus, Dick (GOV) <Posthumusd@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>; Calley, Brian (GOV) [redacted]; Forstner, Nathaniel (GOV) <forstnern1@michigan.gov>
Subject: URGENT review please -- Draft Flint water release

Team,

Please review this draft press release for the Thursday announcement in Flint. This incorporates some suggested edits to the strong draft from DEQ earlier today.

Thank you very much.

Gov. Rick Snyder: Move back to Detroit water provides best protection for public health in Flint

State, Mott Foundation and city form partnership to fund switch

FLINT, Mich. – Flint families and children will be better protected by reconnecting with the Great Lakes Water Authority as the source of the city's drinking water, Gov. Rick Snyder said.

Snyder said Thursday that he will request the state Legislature to provide a portion of the $12 million needed to reconnect with the authority, with the Flint city government providing $2 million and the Charles Stewart Mott Foundation donating $4 million.

The Michigan Department of Health and Human Services and the Department of Environmental Quality today also committed an additional $3.5 million for water filters, free lead testing through the state laboratory for Flint water customers, and hiring additional staff to conduct health exposure monitoring for lead in drinking water.

Flint city leaders requested the state's help to fund the reconnection after a Wednesday meeting of Flint's Technical Advisory Committee. Flint's move to the Great Lakes Water Authority is expected to cost about $1.3 million per month until the Karegnondi Water Authority is completed next summer.

"All Flint residents need clean, safe drinking water," Snyder said. "The technical experts helping the city on its water advisory all agree this move back to the Great Lakes Water Authority provides the best public health protection for children and families. This effort today is the result of people coming together to solve a problem. I appreciate Detroit's willingness to reconnect with Flint, the Mott Foundation's generous donation, and the dedication of all parties to come together to protect Flint families and children."

The move to Detroit water, which is drawn from Lake Huron, carries many public health benefits. As large bodies of water, the Great Lakes are naturally prone to fewer problems from large rain events and other runoff issues that can be present in shallower rivers. Additionally, the Great Lakes Water Authority has already fully optimized its corrosion control, using phosphates to help coat the insides of pipes and prevent lead from leaching into the water.

However, reconnecting with the authority will not completely resolve the city's problem with lead service lines or aging infrastructure. It will take time for pipes in Flint to become coated with the phosphate corrosion control. Additionally, some households in the city could experience lead in their drinking water until all lead pipes and plumbing are replaced.

To best protect public health, Snyder said state and local authorities will continue to carry out steps outlined on Oct. 2 in a comprehensive action plan, including continued testing, the use of faucet filters and providing residents with accurate information about steps to eliminate lead in water.

Free filters are available for current MDHHS clients at the 125 E. Union St. or 4809 Clio Road MDHHS office locations.

For residents who are not currently enrolled in MDHHS assistance programs, free filters are available at the Genesee County Community Action Resource Department offices at 2727 Lippincott and 601 North Saginaw in Flint. Staff will be at all four locations from 9 a.m. to 4 p.m., Monday through Friday, to distribute filters and assist residents who have questions about proper installation.

At the Lippincott location only, extended hours will be offered this weekend, including until 7 p.m. on Thursday and Friday and from 10 a.m. to 2 p.m. on Saturday.

Other good practices for residents concerned about lead include turning on the cold water tap and running the water until it's as cold as it will go. Additionally, only use cold water for cooking, drinking and especially mixing baby formula.

School test results released; more investigation planned

The state today also released the first results from its lead screening program in schools and homes. Of 37 total samples taken at 13 buildings, four samples spread over three buildings exceeded the federal action level of 15 parts per billion.

However, this sampling provides only an initial screen, and the state is committing to further testing water and inspecting plumbing at these schools. Until testing is complete, schools are advised to continue using bottled water and filtration as a precaution to protect children.

In addition, free testing is still available for any other Flint school, including daycares and Head Starts. Free testing is also available for any Flint resident.

Additional information, including more detailed lead screening results, is available at www.michigan.gov/flintwater.

###

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397, office
[redacted]mobile
Twitter:@michigandmurray